

Memorandum

To: Gregory Patterson (Musick, Peeler & Garrett LLP) **Date:** July 14, 2021

From: Patrick O'Connell, PG (Daniel B. Stephens & Associates, Inc.)
Tony Morgan, PG, CHG (Daniel B. Stephens & Associates, Inc.)

Subject: Well No. 7 Feasibility Evaluation

Executive Summary

Daniel B. Stephens & Associates, Inc. (DBS&A) has reviewed all available literature and has determined that the 191 Alviso Drive site is the superior location for Crestview Mutual Water Company (CMWC) Well No. 7, as designed by Hopkins Groundwater Consultants, Inc. (Hopkins, 2019). We do not agree with the findings or conclusions of the Kear Groundwater (KG, 2020) report.

Our (1) review of available geologic and hydrogeologic information for the CMWC area, and (2) results from pathogen transport and nitrate loading modeling of the Alviso Drive site (DBS&A, 2020a,b) indicate that the site is hydrogeologically suitable for a water supply well and the nearby septic systems are not expected to degrade water quality above established drinking water standards. As supporting evidence, groundwater produced by CMWC wells (No. 3, 4, 5 and 6) near the proposed Alviso Drive site have not exceeded drinking water standards for nitrate in over 30 years of operation. All of CMWC's groundwater sources have reported non-detect for nitrate over the past 30 years.

Also, water quality data from wells near the Las Posas Country Club site indicate evidence of nitrate contamination (sometimes exceeding the Maximum Contaminant Level [MCL]) and relatively high total dissolved solids [TDS] content (TDS levels similar to the Alviso Drive site), which would not make the KG (2020) proposed site superior in regards to water quality.

There is no significant difference in seismic hazard (i.e., ground shaking potential) between the two sites to support the KG (2020) argument that the Las Posas Country Club site would be safer. The preliminary design for Well No. 7 (Hopkins, 2019) at the Alviso Drive site will likely produce groundwater of similar capacity and quality as the other CMWC wells.

Findings

The 191 Alviso Drive site is a superior well site because:

- Groundwater levels should remain relatively stable (especially given the implementation of the Las Posas Groundwater Sustainability Plan [GSP]) with the normal water level fluctuations expected during drought periods;
- The target groundwater production rate of 1,000 gpm is consistent with other CMWC wells located in a similar hydrogeologic setting;
- There is no material difference in seismic risk or advantage to either location, both are similar;
- The water quality at the Las Posas Country Club location is anticipated to have similar TDS content and pH as CMWC wells, not supporting the KG (2020) contention of superior water quality;
- Nitrates are known not to exceed the MCL (and are rarely detected) for the wells currently or historically operating in the CMWC service area, even with nearby septic systems, while nitrates are commonly detected in groundwater at wells near the Las Posas Country Club well site;
- Modeling of potential nitrate loading to the aquifer from the septic systems near the Alviso Drive location (DBS&A, 2020c) indicates that nitrate concentrations in pumped groundwater will not exceed the MCL and likely continue to be non-detect; and

As detailed in our companion report, siting Well No. 7 at the Alviso Drive location prevents the need for significant pipeline costs and disruption of neighboring residents from extensive construction activities.

Introduction

DBS&A has prepared this technical memorandum (TM) to document our feasibility evaluation of (1) the hydrogeological siting criteria and preliminary well design documented by Hopkins (2019) in their April 8, 2019 TM for CMWC Well No. 7 to be sited at 191 Alviso Drive (APN 152034106), and (2) the review of the Hopkins TM by KG (2020), documented in their June 22, 2020 letter report, in which KG proposed another site for Well No. 7 on the Las Posas Country Club (APN 109007042) (Figure 1). This TM provides an independent feasibility evaluation of the two proposed well sites, with consideration of logistical, hydrogeological and engineering factors, and recommendations for siting Well No. 7.

The KG (2020) TM presented the following arguments for siting Well No. 7 on the Las Posas Country Club:

- Logistical infeasibility;
- Better water quality;
- Better groundwater production rates and less potential for declining water levels;
- Reduced potential for well damage due to seismic activity; and
- Potential for septic contamination of groundwater supplies.

Background

The CMWC service area (Figure 1) covers an approximately 1.5 square mile area on the western part of the Camarillo Hills (Ventura County, California) in the southwestern corner of the (West) Las Posas Valley Groundwater Basin (Las Posas Valley) (California Department of Water Resources [DWR], 2003; Dudek, 2019). These hills are composed of westward dipping anticlinal (i.e., Camarillo Hills Anticline) and synclinal structures, that uplift at an average rate of 0.8 to 1.4 mm/year (DeVecchio et al., 2012) due to tectonic compression primarily associated with folding and faulting along the Springville (high-angle reverse) Fault (Jakes, 1979; Dibblee 1990), located along the southeast boundary of CMWC and Las Posas Valley (Figure 1). It should be noted that these average uplift rates are the result of occasional abrupt seismic events. The three primary water-bearing geologic formations that compose the Las Posas Valley, from top to bottom, are (1) alluvium, the (2) San Pedro Formation and the (3) Santa Barbara Formation (DWR, 2003).

The upper member of the marine Santa Barbara Formation contains the deepest aquifer used for groundwater production, the Grimes Canyon Aquifer, which is characterized by fine gravel and separated from the overlying Fox Canyon Aquifer by clay sediments (Turner and Mukae, 1975; Dudek, 2019). The Fox Canyon Aquifer, characterized by marine sand and gravel with local silt and clay lenses and considered the primary groundwater supply for Las Posas Valley, occurs within the lower part of the San Pedro Formation and is separated from the upper part of the San Pedro Formation by a regionally extensive clay marker bed (Turner, 1975); although, the upper and lower parts of the San Pedro Formation may be hydraulically connected in some areas in West Las Posas Valley (United Water Conservation District [UWCD], 2018). As noted by Hopkins (2019) and KG (2020), the San Pedro Formation (i.e., Fox Canyon Aquifer) beneath the CMWC area is considered essentially unsaturated based on groundwater level measurements and borehole electrical resistivity logs, and therefore, the alluvium is not considered saturated (where present) in the Camarillo Hills area, either.

Hopkins (2019) – This report reviewed local hydrogeology, historical production of groundwater and well performance data, water quality data, groundwater levels, and

geophysical surveys of CMWC Wells No. 3, 4, 5, and 6 to develop their preliminary Well No. 7 design. Hopkins considers the shallower coarse-grained sand and gravel deposits in the CMWC area (based on Wells No. 3, 4 and 5) unsaturated. Hopkins expects groundwater levels beneath the Alviso Drive site to be approximately 460 feet below ground surface (ft bgs), and although historical groundwater levels have been as deep as 515 feet bgs, they expect such low groundwater levels to be prevented in the future due to groundwater sustainability planning, i.e., the Las Posas Groundwater Basin GSP (Dudek, 2019).

In regards to groundwater quality, Hopkins notes a range of total dissolved solids (TDS) in CMWC wells of 600 to 1,000 mg/L (the California Secondary Maximum Contaminant Level [SMCL] for TDS is 1,000 mg/L) and basic groundwater (pH of 7.6 to 8.5) that leads to mineral encrustation (plugging) over time. Hopkins expects water to be of poorer quality in the shallower aquifer zones and therefore recommends an annular (sanitary) cement seal depth of 940 ft bgs. Hopkins' preliminary design of Well No. 7 indicates screening the subsurface from 1,040 to 1,420 ft bgs, within what they interpreted as the Fox Canyon Aquifer. These screen depths should allow for over 500 ft of water column above the top of screen, and over 300 ft of water column above the pump (assuming a pump setting of 800 ft bgs). The well design assumes a production capacity of 1,000 gallons per minute (gpm) (Hopkins, 2019).

KG (2020) – The KG (2020) report argues that the 191 Alviso Drive location is infeasible in regards to logistics, regulations and hydrogeology.

Logistical Infeasibility

KG claims the following issues regarding logistical infeasibility at the 191 Alviso Drive site: (1) the small and narrow size of the parcel, which would require a minimum two-story high noise attenuation and light blocking barriers and allow little footprint for a drilling rig; (2) drill site topography, which will require significant (greater than 50 cubic yards of) grading; (3) its proximity to sensitive habitat receptors, which will require appropriate discharge permits (i.e., an Environmental Protection Agency [EPA] National Pollutant Discharge Elimination System [NPDES]), potential mitigation measures, and on-going reporting compliance; and (4) a Home Owners Association (HOA) prohibition of well drilling on the parcel designated for residential use.

Regulatory Infeasibility

KG claims regulatory infeasibility at the 191 Alviso Drive site, due to the proposed Well No. 7 site's proximity to individual sewage disposal systems (i.e., two seepage pits within 150 ft of the property that are greater than 20 feet deep), which conflicts with horizontal distance setback

thresholds listed in (State of California) DWR Water Well Standards (see Section 8 of Bulletin 74-81 [DWR, 1981]) and for public supply wells per Ventura County Resource Management Agency, Environmental Health Division (VCEHD) individual sewage disposal system setback requirements (see Table CPC Appendix H-1 of VCEHD, 2015). These well standards list setbacks of water wells from seepage pits of 150 ft (DWR, 1981) and 200 ft (VCEHD, 2015). KG mentions that allowing exceptions to these standards is unprecedented in recent decades for public supply wells regardless of well design. KG (2020) recommends a source vulnerability assessment regarding potential contaminating activities (i.e., seepage pits) be conducted.

Hydrogeologic Infeasibility

KG claims the Alviso Drive site has hydrogeologic infeasibility due, because (1) the proposed well is to be located over a geologic structure (near the axis of Camarillo Hills Anticline) and (2) stratigraphic location, depth, and design that are very similar to those of the “failed” Crestview wells (No. 3, 4, 5, which KG claims suffer from either declining water levels/pumping rates and/or poor quality).

KG contends that Well 7 should be located further away from the Camarillo Hills Anticline to avoid potential well failure associated with fracture development due to fault movement, particularly because this could compromise the annual (sanitary) cement seal. KG recommends that Well No. 7 be located on the Las Posas Country Club (Figure 1), to target the Fox Canyon Aquifer and its better water quality (i.e., TDS concentrations vary from 300 to 700 mg/L in Las Posas Valley [Dudek, 2019]). This Well No. 7 site would be designed with similar depths and materials (i.e., similar cost) as proposed by Hopkins (2019). KG states that CMWC has an existing connection with the Las Posas Country Club.

According to KG, if Well No. 7 were to be sited and permitted at Alviso Drive then 30 septic systems (deeper than 20 ft and within 600 ft of the well) would be required by Ventura County to upgrade these systems with advanced treatment units (ATU)s with an estimated unit cost ranging from \$15,000 to \$50,000 each, with a total estimated cost ranging from \$450,000 to \$1,500,000.

Feasibility of Proposed Crestview Well No. 7

The following are our responses to the infeasibility items provided by KG (2020) in regards to the preliminary CMWC Well No. 7 design by Hopkins (2019) for the 191 Alviso Drive site and other hydrogeological criteria.

Logistical Infeasibility

We do not agree with KG's claim that the 191 Alviso Drive site is logistically infeasible, because (1) the approximate 100 ft by 200 ft size of the parcel is adequate space for standard water well drilling and construction (i.e., as designed by Hopkins [2019]) and noise and light attenuation barriers are standard practice for drilling in residential settings; (2) grading of topography is standard practice (when necessary) to prepare the site for drilling activities and the amount of grading in this project is similar to many others in our experience; and (3) obtaining and meeting requirements of discharge permits (i.e., a NPDES permit) is also standard practice (when necessary) for well drilling, construction and testing. We offer no professional opinion (i.e., as a Professional Geologist/Hydrogeologist) about the significance of a HOA prohibition on well drilling at the 191 Alviso Drive parcel, as stated by KG (2020).

Regulatory Infeasibility

We do not agree with KG's claim that the 191 Alviso Drive site is infeasible in regards to regulations (i.e., water well setbacks from seepage pits per DWR), based on the results of two source vulnerability assessments regarding pathogen transport (DBS&A, 2021a) and nitrate transport (DBS&A 2021b) that indicate insignificant risk of either contaminant affecting groundwater produced by the proposed Well No. 7 at the 191 Alviso Drive property. We do not agree with KG's claim that allowing exceptions to well standards (i.e., DWR [1981]) is unprecedented in recent decades, particularly regarding (horizontal) setback requirements, because many land areas in California have become increasingly developed, which provides less opportunities for siting wells that meet empirical thresholds such as the setback requirements of DWR (1981) and VCEHD (2015). DWR is in the process of updating the well standards to address concerns that industry professionals have about the arbitrary setback thresholds. Many professional geologists and hydrogeologists (ourselves included) believe local lithology (i.e., the presence of clays/silts in the subsurface) and the vertical separation distance of potential contaminant sources (i.e., seepage pits) from water wells (i.e., the depth of screened intervals and annular seals) are more meaningful factors that control the risk of potential contamination of water wells.

Hydrogeologic Infeasibility

We do not agree with KG's claims that the Alviso Drive site is hydrogeologically infeasible, because (1) both the proposed Alviso Drive and alternative Las Posas Country Club locations for Well No. 7 (Figure 1) have similar risk to seismic-related hazards (as do many water wells in California); and (2) readily available geologic and hydrogeologic information indicate less risk of nitrate contamination (i.e., poor water quality) at the Alviso Drive site and similar susceptibility to declining production rates as result of fluctuating groundwater levels (and water quality).

The following discussions are focused on the primary concerns offered for the proposed Well No. 7 site by KG (2020) in regards to hydrogeologic infeasibility.

- Better water quality;
- Better groundwater production rates and less potential for declining water levels;
- Reduced potential for well damage due to seismic activity; and
- Potential for septic contamination of groundwater supplies.

Better Water Quality - Hopkins (2019) interpreted the target interval of 1,040 to 1,420 ft bgs for Well No. 7 as the Fox Canyon Aquifer; yet, this interval is considered part of the Grimes Canyon Aquifer per the aquifer designations for CMWC wells provided in the Las Posas GSP (Dudek, 2019). Although it is true that the Grimes Canyon Aquifer typically has lower water quality (i.e., higher TDS) than the Fox Canyon Aquifer, CMWC has operated wells screened in the Grimes Canyon Aquifer (Dudek, 2019) for decades with satisfactory water quality. In fact, KG's argument that better water quality is expected in the Fox Canyon Aquifer at the Las Posas Country Club site is misleading because the 300 to 700 mg/L TDS range that KG (2020) cites from Dudek (2019) refers to the southeastern part of the West Las Posas Valley (Management Area), along the Camarillo Hills, which is not the same area as the Country Club (see Figure 2-30A from Dudek [2019]). In the same paragraph (on page 2-12 of Dudek [2019]), Dudek (2019) follows that statement with "TDS concentrations are higher in the central and western parts of the WLPMA [West Las Posas Management Area]..." in the Fox Canyon Aquifer, which is more representative of the Las Posas Country Club area and available water quality data.

We evaluated water quality data provided by Ventura County Watershed Protection District (VCWPD; Attachment A) and the Safe Drinking Water Information System (SDWIS; Attachment B) for the wells listed in Table 1 and shown on Figure 1 (with the exception of Janss No. 1, which did not have water quality data, but did have water level data [Attachment C] from VCWPD). It should be noted that there are several redundant nitrate and TDS values for CMWC wells in Attachment B that are also found in Attachment A.

Table 1 - CMWC Area Wells

Well Name	State Well No. (SWN)	Status	Estimated Land Surface Elevation (ft-msl)	Screened Depth Interval (ft bgs)
--	02N21W15M03S	Active	265	406 - 1,030
--	02N21W15M04S	Active	260	524 - 1,044
--	02N21W15M05S	Active	265	550 - 900
--	02N21W16J01S	Active	260	182 - 295
--	02N21W16J03S	Active	260	560 - 1,120
Janss No. 1	02N21W22E02S	Destroyed	365	* <800
CMWC No. 3	02N21W22E01S	Destroyed	350	1,000 - 1,370
CMWC No. 4	02N21W22G01S	Active	470	603 - 903
CMWC No. 5	02N21W22A01S	Active	575	780 - 1,400
CMWC No. 6	02N21W28A02S	Active	265	550 - 800

* Estimated value based on total depth of borehole in VCWPD database.

TDS values in CMWC Wells (No. 3, 4 and 6) depict relatively stable trends in the 600 to 1,000 mg/L range, with the exception of Well No. 5 that showed an increasing trend from about 700 mg/L to about 1,100 mg/L by 1995 (Attachments A and B). These data indicate TDS for proposed Well No. 7 at Alviso Drive will likely be similar to the 600 to 1,000 mg/L range. Given the relatively elevated TDS content and basic pH (i.e., the potential for encrustation or plugging of the well screen and gravel pack), regular well maintenance will be necessary to help maintain production capacity for Well No. 7.

Groundwater quality sample results from CMWC wells indicate essentially no presence of nitrate (mostly non-detect and only detected at rare occasions at levels much less than the Maximum Contaminant Level [MCL] of 45 mg/L as nitrate) near the 191 Alviso Drive site. Water quality data from wells near the Las Posas Country Club Well No. 7 site proposed by KG (2020) site (Figure 1) depict a wide range of nitrate (as nitrate) values and some stark contrasts within short horizontal distances of one another (i.e., 138 to 700 mg/L at the shallow-screened well, 02N21W16J01S, versus non-detect values at the deeper screened well, 02N21W16J03S, indicating an effective separation between nitrate-contaminated shallow groundwater and deeper groundwater where these two wells exist). Nitrate values have been detected (in the range of 1.7 to 71 mg/L, with rare non-detects) in nearby wells - 02N21W15M03S, 02N21W15M04S, 02N21W15M05S - screened at similar depths (about 500 to 1,000 ft bgs), indicative of nitrate contamination at moderate depths.

No readily available water quality data from wells screened exclusively below 1,000 ft bgs (i.e., as proposed by Hopkins and KG) is known to exist in this area near the Las Posas Country Club, so water quality is relatively unknown for KG's proposed well design, yet is unlikely to be better quality than the Alviso Drive site (as argued by KG, 2020) because TDS tends to increase with depth (especially given the marine origin of the San Pedro Formation), pH values are basic (similar encrustation/plugging expected as Alviso Drive site), and there is more evidence of nitrate in groundwater at moderate depths (i.e., within 1,000 ft bgs) than the Alviso Drive site.

Better Groundwater Production Rates and Less Potential for Declining Water Levels –

Groundwater levels of CMWC wells (Figure 2) are similar, with the exception of CMWC Well No. 3 (02N21W22E01S) where measured groundwater levels between 1999 and 2003 were about 100 feet lower than those of Janss No. 1 (and the other nearby wells). This may suggest some hydraulic separation of the aquifer zone screened by Well No. 3. Groundwater levels in the CMWC wells do not indicate significant long-term declines and management and projects are proposed in the Las Posas GSP (Dudek, 2019) to prevent unsustainable declines in groundwater levels in the future. While there may be production rate declines due to declining groundwater levels during drought periods, this would not be considered unique to CMWC wells. Chronic declining groundwater production rates may also be the result of well biofouling and/or plugging, a process that any water well is subject to over time and is best avoided with regular well maintenance.

Reduced Potential for Well Damage due to Seismic Activity - Potential fracturing of the cement annular seal due to seismic activity is a possibility for all wells in California. If a major earthquake event were to occur, this could create a conduit (fractures) within the cement seal and allow potential migration of shallower groundwater (e.g., potentially laden with pathogens and/or nitrates from nearby septic systems) into the production zone of the well.

The potential for seismic activity to impact wells is not restricted to wells adjacent to mapped active faults within the CMWC service area. Wells can be damaged by the direct shearing of the well casing and/or annular seal, however, this impact is anticipated to be focused to areas near the faults or fault zones. Ground shaking, also a potential mechanism for damaging the annular seal, occurs over a much larger area and seismically-induced ground motion can easily extend over the area encompassing both the Alviso Drive and Las Posas Country Club sites during significant earthquakes.

Potential for Septic Contamination of Groundwater Supplies - DBS&A used transport modeling of pathogens (DBS&A 2021a) and nitrate (DBS&A 2021b) at the proposed Alviso Drive site and concluded this risk is insignificant for pathogens and insignificant for nitrates (any

contamination would be below the MCL). The KG recommendation to site Well No. 7 further from the Camarillo Hills Anticline and towards the Valley floor has hydrogeological merits, where a well of similar design and cost as proposed by Hopkins could be constructed in the Fox Canyon Aquifer; however, costs associated with constructing a water conveyance pipeline to the CMWC distribution system were not considered.

Engineering Considerations

The KG (2020) TM did not consider the infrastructure needed to connect the proposed Las Posas Country Club well site to the existing CMWC water distribution system. KG stated at the end of their TM that CMWC has an existing connection with Las Posas Country Club. That connection, which consists of a 4-inch service line and 3-inch meter located at 655 Fairway Drive is used to provide irrigation water for landscaping around the Las Posas Clubhouse. This existing pipeline is too small and would not be adequate for delivery of pumped groundwater from Las Posas Country Club. DBS&A evaluated engineering costs (DBS&A, 2021c) that would be associated with two potential pipeline configurations to connect KG's proposed Well No. 7 on Las Posas Country Club with the closest CMWC water main, located along Fairway Drive (see Figure 1 in DBS&A, 2021c). Table 2 summarizes the estimated well construction, pipeline, and ATU costs.

Table 2 - Estimated Infrastructure Costs

Proposed Well Site	Alviso Drive	Las Posas Country Club
Estimated Well Construction Costs	~\$1.2 million (Hopkins, 2019)	~\$1.2 million*
Estimated Pipeline Costs	\$41 thousand	~\$1.3-1.5 million
Estimated Total Costs	~\$1.2 million	~\$2.5 – 2.7 million

*Assumed to be equivalent to Alviso Drive site

The scope of this report does not include the additional engineering costs associated with the Las Posas Country Club site. Please refer to the separate study which details those costs, concluding that the pipeline costs to connect the County Club site would add over \$1.3 million more in project costs than the Alviso Drive location. The evaluation of engineering (i.e., pipeline) costs to connect the Well No. 7 at the Las Posas Country Club site (DBS&A, 2020c) to Reservoir 3 would add over \$1.3 million more in project cost than the Alviso Drive location.

Signatures

Daniel B. Stephens & Associates, Inc.



Patrick O'Connell, PG (CA 9762)



Tony Morgan, PG (CA 4178), CHG (CA 159)

References

- California Department of Water Resources, 2003. California's Groundwater Bulletin 118 - Las Posas Valley Groundwater Basin (Number: 4-8), South Coast Hydrologic Region: Bulletin 118. Updated January, 2016. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/4_008_LasPosasValley.pdf
- Daniel B. Stephens & Associates, Inc., 2021a. Well #7 Pathogen Transport Evaluation. March 1, 2021.
- Daniel B. Stephens & Associates, Inc., 2021b. Well #7 Nitrate Transport Modeling Evaluation. April 12, 2021.
- Daniel B. Stephens & Associates, Inc., 2021c. Crestview Mutual Water District, Camarillo, CA - Alternative Well Site Evaluation. April 5, 2021.
- Department of Conservation, California Geological Survey, 2010. Geologic Map of California. Version 2.0. <https://www.conservation.ca.gov/cgs/publications/geologic-map-of-california>
- Department of Water Resources, 1981. Bulletin 74-81 Water Well Standards: State of California. December.
- DeVecchio, D.E., E.A. Keller, M. Fuchs, and L.A. Owen., 2012. "Late Pleistocene Structural Evolution of the Camarillo Fold Belt: Implications for Lateral Fault Growth and Seismic Hazard in Southern California." *Lithosphere* 4(2): 91–109. <https://doi.org/10.1130/L136.1>.
- Dibblee, T.W., and Ehrenspeck, H.E., 1990. Geologic map of the Camarillo and Newbury Park quadrangles, Ventura County, California: Dibblee Geological Foundation, Map DF-28.
- Dudek, 2019. [Draft] Groundwater Sustainability Plan for the Las Posas Valley Basin, prepared for Fox Canyon Groundwater Management Agency. Submitted to California Department of Water Resources on December 13.
- Hopkins Groundwater Consultants, Inc., 2019. Well Seal and Set Back Requirements for Crestview Mutual Water Company Well No. 7 Construction Project. April 8.

Jakes, M.C. 1979. "Surface and Subsurface Geology of the Camarillo and Las Posas Hills Area: Ventura County, California." Master's thesis; Oregon State University.

Kear Groundwater, 2020. Hydrogeologic Review of Crestview Mutual Water Company's "Well No. 7" Camarillo Hills, Ventura County, California. June 22.

Turner, J.M., 1975. "Aquifer Delineation in the Oxnard-Calleguas Area, Ventura County." In Compilation of Technical Information Records for the Ventura County Cooperative Investigation: Volume I. Prepared by the Ventura County Public Works Agency Flood Control and Drainage Department for the California Department of Water Resources. 1-45.

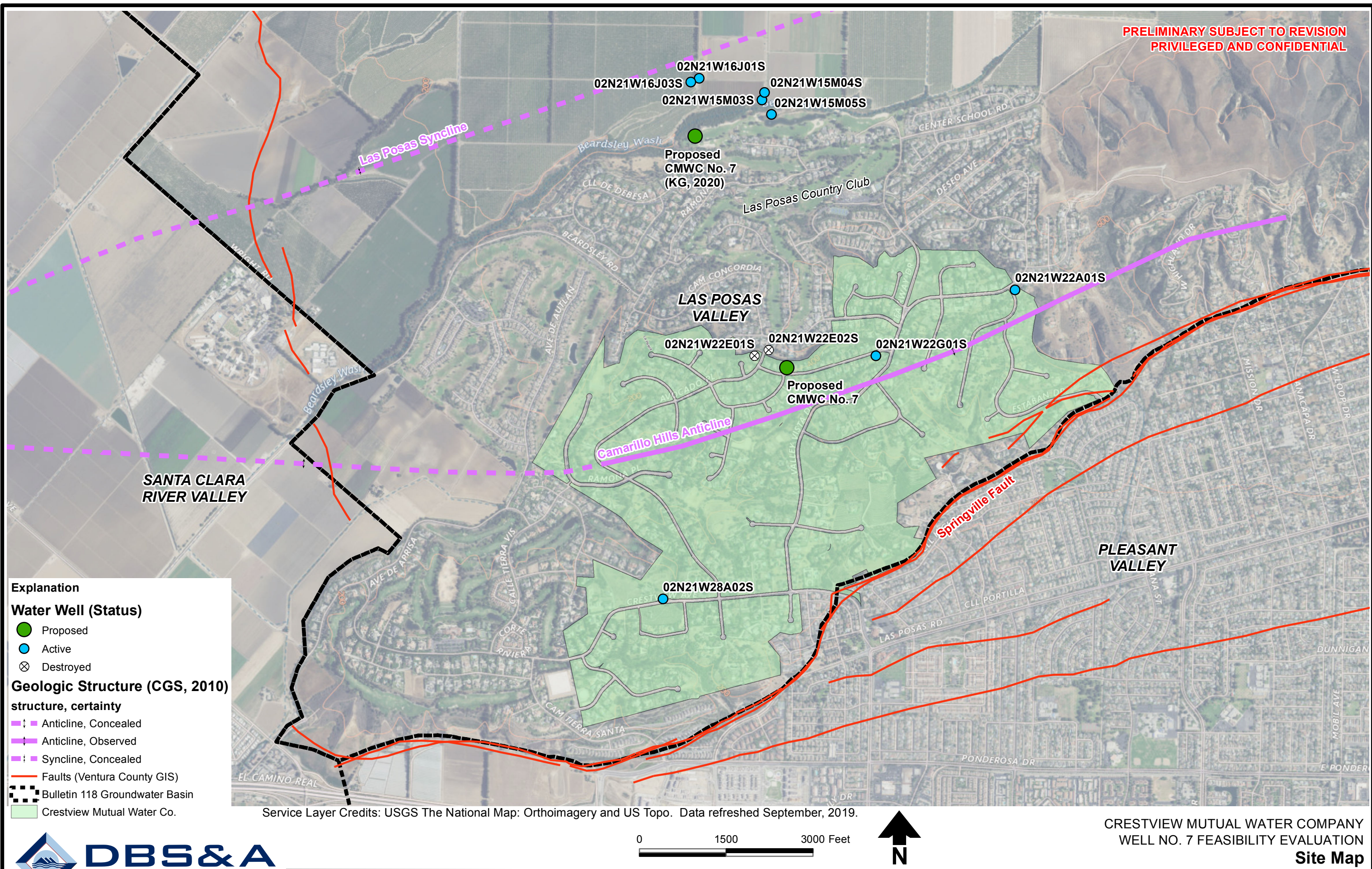
Turner, J.M., and M.M. Mukae, 1975. "Effective Base of Fresh Water Reservoir in the Oxnard-Calleguas Area." In Compilation of Technical Information Records for the Ventura County Cooperative Investigation: Volume I, 1-15. Prepared by the Ventura County Public Works Agency Flood Control and Drainage Department for the California Department of Water Resources.

United Water Conservation District, 2018. Ventura Regional Groundwater Flow Model and Updated Hydrogeologic Conceptual Model: Oxnard Plain, Oxnard Forebay, Pleasant Valley, West Las Posas, and Mound Groundwater Basins. Open-File Report 2018-02. Prepared by Groundwater Resources Department. July.

Ventura County Environmental Health Division, 2015. Onsite Wastewater Treatment System Technical Manual.

FIGURES

K:\PROJECTS\LITIGATION SERVICES\DB20.1430.00 CRESTVIEW MUTUAL WC PATHOGEN TRAVEL TIME\GIS\MXDS\MWELL\ZSTINGT\MFIGURE1_SITEMAP.MXD



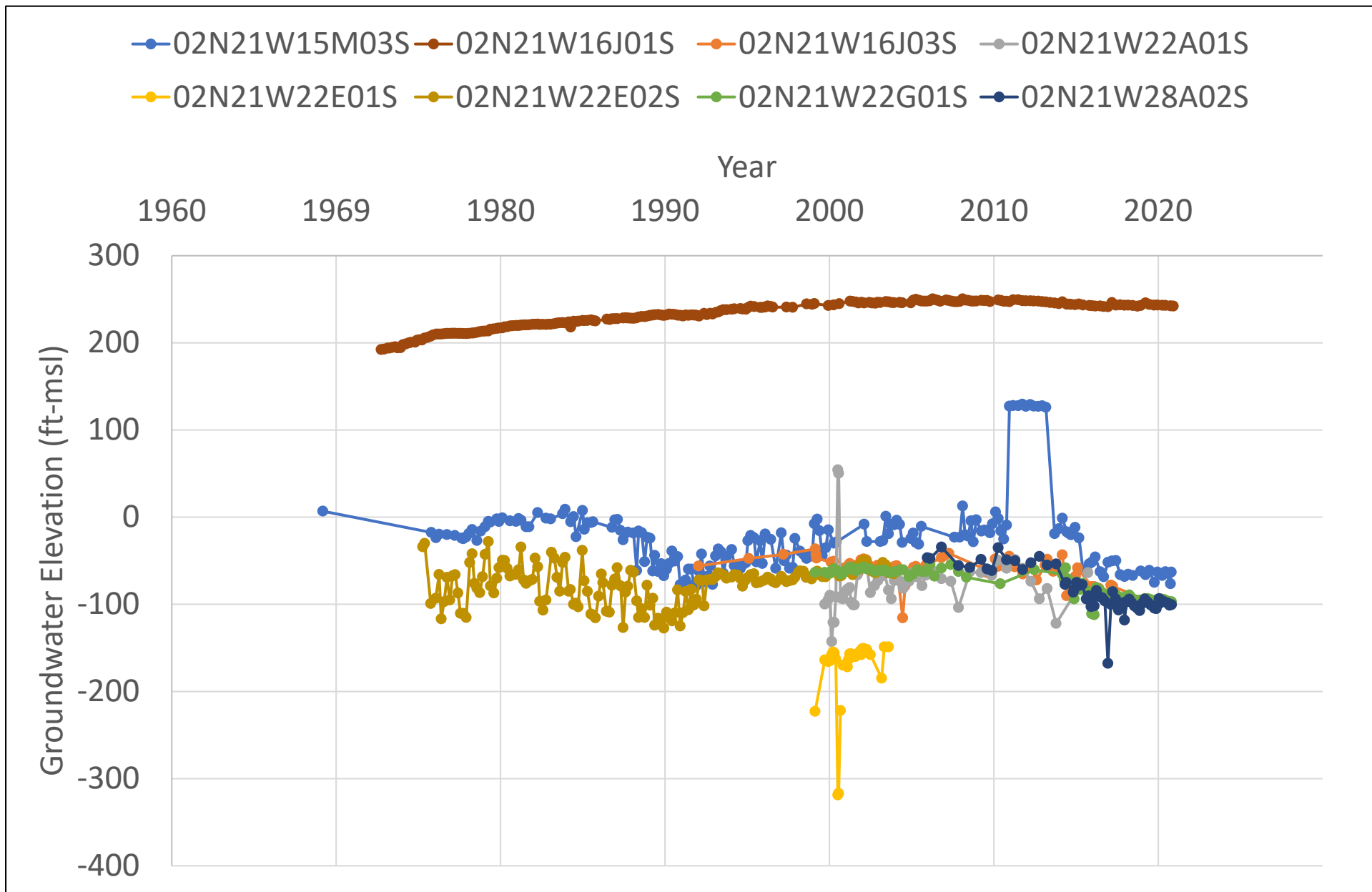


Figure 2 - Groundwater Level Measurements from Select Wells

ATTACHMENT A

Groundwater quality data, Part 1

(from Ventura County Watershed Protection District)

Attachment A

Water quality data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	TDS	NO3	Fe	Mn	F	B	pH	EC	source
02N21W15M03S	7/16/1957	70	26	90	4			59	165	590	1.7			0.2	0.28	7.9	918	UWCD
02N21W15M03S	7/17/1959	72	24	92	5			50	178	595	2.5			0.4	0.24	7.6	903	UWCD
02N21W15M03S	5/21/1973	66	27	109	4.7	0	318	47	175	620	10			0.2	0.3	8.3	969	VCWPD
02N21W15M03S	5/21/1976	70	41	93	5.8	0	299	56	210	713	3	0	0	0.3	0.3	8	1007	VCWPD
02N21W15M03S	7/6/1977									665								VCWPD
02N21W15M03S	6/7/1978									637								VCWPD
02N21W15M03S	8/2/1979									638								VCWPD
02N21W15M03S	9/18/1980	80	27	95	4.1	0	293	54	185	635	2	0	0	0.2	0.3	7.8	990	VCWPD
02N21W15M03S	9/25/1981									580	0							VCWPD
02N21W15M03S	4/23/1982	76	27	102	5.1	0	292	53	202	659	2.5			0.4	0.3	8.2	992	VCWPD
02N21W15M03S	6/8/1983									973	2							VCWPD
02N21W15M03S	9/24/1984									610								VCWPD
02N21W15M04S	10/10/1985	100	35	120	9	0	293	78	270	813	18	0	0	0.3	0.6	7.7	1216	VCWPD
02N21W15M04S	10/31/1985									1050	71							VCWPD
02N21W15M04S	7/11/1986	106	30	110	6	0	285	66	274	778	10		0.04	0.3	0.4	8.1	1187	VCWPD
02N21W15M04S	8/20/1987									784	24							VCWPD
02N21W15M04S	8/18/1988									808	17							VCWPD
02N21W15M04S	7/5/1990									804	10							VCWPD
02N21W15M04S	8/24/1990	97	34	110	5		298	66	300	818	13.5	0	0.04	0.6	0.3	7.8	1220	VCWPD
02N21W15M04S	7/15/1992									740	5.1							VCWPD
02N21W15M04S	7/21/1992	95	32	110	4.9			62	280	760	6.63	9	54	0.1	0.34	7.7	1150	UWCD
02N21W15M04S	9/16/1999	91	34	126	5	-1	320	61	287	840	9	-1	0.03	0	0	7	1280	VCWPD
02N21W15M04S	9/6/2006	89	32	149	6	-10	280	69	340	990	12	-0.05	-0.01	0	0	7	1340	VCWPD
02N21W15M04S	8/3/2007	101	36	171	6	-10	310	68	340	1000	12	-0.05	-0.01	0	0	8	1300	VCWPD
02N21W15M04S	7/15/2008	94	34	143	5	0	250	68	320	926	11.3	-0.05	0.04	0.4	0.4	7.1	1360	VCWPD
02N21W15M04S	8/6/2009	102	36	149	6	-10	300	75	400	1080	13.4	0.1	0.05	0.2	0.4	7.6	1300	VCWPD
02N21W15M04S	8/13/2010	100	35	153	6	-10	300	74	400	1080	15.8	0.2	0.05	0.3	0.4	7.6	1340	VCWPD
02N21W15M04S	9/15/2011	109	37	152	6	-10	290	71	380	1060	10	0.22	0.1	0.3	0.4	7.5	1370	VCWPD
02N21W15M04S	8/14/2012	103	37	147	6	-10	280	66	350	999	10	-0.05	0.06	-0.1	0.4	7.5	1310	VCWPD
02N21W15M04S	10/29/2013	116	37	159	6	-10	290	70	360	1050	13.3	-0.05	0.06	0.2	0.4	7.6	1360	VCWPD
02N21W15M04S	10/22/2014	104	36	143	6	-10	290	72	360	1020	7.8	0.21	0.06	0.3	0.4	7.5	1330	VCWPD
02N21W15M04S	8/21/2015	109	38	146	5	-10	280	77	440	1120	24.3	0.04	0.06	0.2	0.4	7.4	1480	VCWPD
02N21W15M04S	9/9/2016	115	40	149	6	-10	280	69	367	1040	9.9	0.04	0.07	0.3	0.4	7.4	1360	VCWPD
02N21W15M04S	9/28/2017	153	51	177	6	-10	270	103	502	1300	63.8	0.04	0.07	0.2	0.4	7.7	1780	VCWPD
02N21W15M04S	11/21/2018	110	37	125	6	-10	280	76	370	990	12.1	0.04	0.07	0.2	0.4	7.5	1410	VCWPD
02N21W15M04S	9/25/2019	123	43	134	5	-10	280	83	425	1070	14.7	-0.03	0.07	0.2	0.3	7.7	1490	VCWPD
02N21W15M04S	10/7/2020	161	43	141	7	-10	280	96	477	1230	29.2	-0.03	0.04	0.2	0.3	7.4	1720	VCWPD
02N21W15M05S	7/19/1994	158	54	135	4.8	0	277	95.9	487	1030	42.1	0	0.063	0.24	0.38	7.5	1520	VCWPD
02N21W16J01S	7/17/1952	191	61	111	3			89	487	1363	138			0.1	0.2	7.5	1575	UWCD
02N21W16J01S	10/2/1965	600	218	360	6			354	1826	4290	700			1.3	1.5	7.7	4950	UWCD
02N21W16J01S	6/6/1977										462.5							UWCD
02N21W16J03S	6/16/1994	69	29	187	6.8	0	331	58.6	325	880	0	0.22	0.042	0.21	0.48	8.1	1300	VCWPD
02N21W16J03S	10/7/2020	83	32	107	6	-10	280	52	238	720	-0.4	-0.03	0.05	0.2	0.3	7.4	1130	VCWPD
02N21W22A01S	9/1/1993					0								0				UWCD
02N21W22A01S	7/14/1995	76	30	220	9	0	470	78	390	1100		210	0	0	0.8	7.7	1600	UWCD
02N21W22A01S	1/19/1996											180	0					UWCD
02N21W22A01S	2/9/1996		27									170						UWCD
02N21W22A01S	11/19/1996										0							UWCD
02N21W22A01S	1/17/1997											170	0					UWCD
02N21W22A01S	4/11/1997											90	70					UWCD
02N21W22A01S	5/16/1997	70	32	230	10	0	270	82	460	1200	0	100	0	0	0.8	7.9	1600	UWCD
02N21W22A01S	7/17/1998											150	80					UWCD
02N21W22A01S	9/2/1998	69	29	240	9	0	410	84	400	1100	0	90	0	0.2	0.8	7.6	1600	UWCD
02N21W22A01S	9/10/1998										0	90	30					UWCD
02N21W22A01S	11/6/1998											60	90					UWCD
02N21W22A01S	2/16/1999											130	100					UWCD
02N21W22A01S	5/7/1999											170	30					UWCD
02N21W22A01S	6/16/1999											60	0					UWCD
02N21W22A01S	7/13/1999											140	80					UWCD
02N21W22A01S	8/10/1999										0	70	0					UWCD
02N21W22A01S	9/10/1999											160	0					UWCD
02N21W22A01S	10/11/1999											70	0					UWCD
02N21W22A01S	12/17/1999											50	30					UWCD
02N21W22A01S	1/10/2000											0	0					UWCD
02N21W22A01S	8/15/2000	65	28	288	11	0	430	77	376	1100	0	0	0	0.2	0.9	7.4	1690	UWCD
02N21W22A01S	9/7/2000											0	0					UWCD

Nitrate (NO3) values are reported as nitrate as nitrate.

Non-detect values are reported as negative numbers.

Attachment A

Water quality data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	TDS	NO3	Fe	Mn	F	B	pH	EC	source
02N21W22A01S	10/20/2000											0	0					UWCD
02N21W22A01S	6/7/2001											530	30					UWCD
02N21W22A01S	7/13/2001											190	20					UWCD
02N21W22A01S	10/12/2001	74	31	241	11	-10	430	76	409	1080	-0.4	1100	30	0.2	0.85	7.8	1640	UWCD
02N21W22A01S	7/12/2002											130	510					UWCD
02N21W22A01S	8/16/2002										-0.4	110	20		0.81			UWCD
02N21W22A01S	10/10/2002											90	20					UWCD
02N21W22A01S	5/22/2003											80	20		0.82			UWCD
02N21W22A01S	6/27/2003											70	20					UWCD
02N21W22A01S	8/22/2003										-0.4							UWCD
02N21W22A01S	9/25/2003											90	20					UWCD
02N21W22A01S	11/17/2003											130	30					UWCD
02N21W22A01S	2/20/2004											80	20					UWCD
02N21W22A01S	3/30/2004											650	30					UWCD
02N21W22A01S	4/22/2004											90	20					UWCD
02N21W22A01S	5/21/2004											70	20					UWCD
02N21W22A01S	7/23/2004											80	20					UWCD
02N21W22A01S	8/19/2004	67	28	247	9	-10	420	78	397	1070	-0.4	100	20	0.3	0.8	7.5	1620	UWCD
02N21W22A01S	9/23/2004											120	20					UWCD
02N21W22A01S	4/26/2005											90	20					UWCD
02N21W22A01S	7/22/2005											170	20					UWCD
02N21W22A01S	8/19/2005										-0.4							UWCD
02N21W22A01S	9/23/2005											50	17.6					UWCD
02N21W22A01S	7/21/2006											80	20					UWCD
02N21W22A01S	8/18/2006										-0.4							UWCD
02N21W22A01S	9/22/2006											70	20					UWCD
02N21W22A01S	10/20/2006											80	20					UWCD
02N21W22A01S	11/15/2006											90	20.5					UWCD
02N21W22A01S	5/18/2007											110	20					UWCD
02N21W22A01S	11/20/2007											160	20					UWCD
02N21W22A01S	5/23/2008											250	20					UWCD
02N21W22A01S	6/27/2008																	UWCD
02N21W22A01S	8/26/2008										-0.4							UWCD
02N21W22A01S	8/29/2008																	UWCD
02N21W22A01S	4/29/2009															7.6		UWCD
02N21W22A01S	7/28/2009										-0.4							UWCD
02N21W22A01S	8/26/2010	56	25	302	12	-10	420	70	400	1060	-0.4	140	30	0.2	0.9	7.4	1640	UWCD
02N21W22A01S	8/28/2012										-0.4							UWCD
02N21W22A01S	8/15/2017																	UWCD
02N21W22E01S	2/28/1966	101	37	112		0	234	70	319	848	0	0.1	0	0.2		7.6		VCWPD
02N21W22E01S	10/5/1972	120	41	118		0	281	77	365	973	0	0	0	0.4	0.4	7.8	1371	VCWPD
02N21W22E01S	5/25/1976	108	57	108	7	0	305	76	373	990	0	0	0	0.3	0.4	7.9	1322	VCWPD
02N21W22E01S	6/14/1978									557								VCWPD
02N21W22E01S	5/23/1979									958								VCWPD
02N21W22E01S	1/1/1980																	VCWPD
02N21W22E01S	7/8/1980									955								VCWPD
02N21W22E01S	6/17/1981	121	41	116	6.3	0	296	67	368	948	3.5			0.5	0.4	8.1	1170	VCWPD
02N21W22E01S	5/21/1982									848								VCWPD
02N21W22E01S	10/29/1984									880	0							VCWPD
02N21W22E01S	7/6/1988	115	37	108	5	1	284	69	326	808	1	100	30	0.3	0	8.1		UWCD
02N21W22E01S	5/25/1989					0						300	0	0	0			UWCD
02N21W22E01S	10/30/1989					0						300	30	0	0			UWCD
02N21W22E01S	7/11/1990					0						500	50	0	0			UWCD
02N21W22E01S	6/11/1991	106	32	108	6	1	273	64	298	860	1	8390	110	0.3	0	7.2	1230	UWCD
02N21W22E01S	6/27/1991					0						230	30	0	0			UWCD
02N21W22E01S	4/7/1994					0								0				UWCD
02N21W22E01S	8/30/1994	110	38	110	6	0	310	64	350	820		6800	100	0.3	0.4	7.9	1200	UWCD
02N21W22E01S	12/12/1994					0						1900	0	0	0			UWCD
02N21W22E01S	12/15/1995										0							UWCD
02N21W22E01S	11/19/1996										0							UWCD
02N21W22E01S	5/16/1997	98	33	100	5	0	230	56	300	760	0	850	50	0	0.3	7.8	1100	UWCD
02N21W22E01S	8/20/1997										0							UWCD
02N21W22E01S	9/10/1998										0							UWCD
02N21W22E01S	8/10/1999										0							UWCD
02N21W22E01S	8/15/2000										0							UWCD
02N21W22E01S	8/21/2001										0							UWCD

Nitrate (NO3) values are reported as nitrate as nitrate.

Non-detect values are reported as negative numbers.

Attachment A

Water quality data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	TDS	NO3	Fe	Mn	F	B	pH	EC	source
02N21W22E01S	8/16/2002										-0.4	3850	73.4		0.3			UWCD
02N21W22E01S	8/19/2004										-0.4							UWCD
02N21W22G01S	7/6/1988	78	33	136	8	1	301	72	293	720	1	100	70	0.3	0	8		UWCD
02N21W22G01S	7/25/1988					0						0	50	0	0			UWCD
02N21W22G01S	7/28/1988	69	40	140	2.8	0	176	88	357	816	3.1			0.4	0.4	7.8	1180	VCWPD
02N21W22G01S	10/30/1989					0						300	60	0	0			UWCD
02N21W22G01S	7/11/1990					0						100	70	0	0			UWCD
02N21W22G01S	6/11/1991	105	34	130	7	1	294	82	346	940	1	100	60	0.3	0	7	1340	UWCD
02N21W22G01S	4/7/1994					0									0			UWCD
02N21W22G01S	6/16/1994	100	35	130	6	0	330	71	320	890		0	50	0.2	0.4	7.6	1300	UWCD
02N21W22G01S	12/15/1995										0							UWCD
02N21W22G01S	1/16/1996											0	0					UWCD
02N21W22G01S	2/13/1996											0	40					UWCD
02N21W22G01S	11/19/1996										0							UWCD
02N21W22G01S	1/17/1997											0	40					UWCD
02N21W22G01S	4/11/1997											0	40					UWCD
02N21W22G01S	5/16/1997	93	34	130	6	0	380	68	260	810	0	0	40	0	0.4	7.6	1100	UWCD
02N21W22G01S	8/20/1997										0							UWCD
02N21W22G01S	2/11/1998											0	40					UWCD
02N21W22G01S	4/22/1998											0	40					UWCD
02N21W22G01S	7/17/1998											0	40					UWCD
02N21W22G01S	9/10/1998										0							UWCD
02N21W22G01S	6/16/1999											0	40					UWCD
02N21W22G01S	8/10/1999										0							UWCD
02N21W22G01S	1/10/2000											0	40					UWCD
02N21W22G01S	7/17/2000											0	40					UWCD
02N21W22G01S	8/15/2000	79	28	113	6	0	280	51	238	730	0	0	40	0.2	0.4	7.3	1080	UWCD
02N21W22G01S	9/7/2000																	UWCD
02N21W22G01S	4/20/2001											0	40					UWCD
02N21W22G01S	7/13/2001											0	40					UWCD
02N21W22G01S	8/21/2001										0							UWCD
02N21W22G01S	10/12/2001											-50	40					UWCD
02N21W22G01S	1/18/2002											-50	40					UWCD
02N21W22G01S	7/15/2002											-50	40					UWCD
02N21W22G01S	8/16/2002										-0.4	-50	40		0.34			UWCD
02N21W22G01S	10/10/2002											-50	40					UWCD
02N21W22G01S	2/14/2003														0.32			UWCD
02N21W22G01S	4/23/2003											-50	40					UWCD
02N21W22G01S	8/22/2003										-0.4							UWCD
02N21W22G01S	11/17/2003	78	26	95	5	-10	270	41	203	640	-0.4	160	50	0.2	0.3	7.4	941	UWCD
02N21W22G01S	4/22/2004											-50	40					UWCD
02N21W22G01S	5/21/2004											-50	40					UWCD
02N21W22G01S	7/23/2004											-50	40					UWCD
02N21W22G01S	8/19/2004	83	27	106	5	-10	290	54	255	730	-0.4	-50	40	0.4	0.3	7.3	1060	UWCD
02N21W22G01S	9/23/2004											-50	40					UWCD
02N21W22G01S	4/26/2005											-50	40					UWCD
02N21W22G01S	5/25/2005											-50	36.3					UWCD
02N21W22G01S	7/22/2005											-50	40					UWCD
02N21W22G01S	8/19/2005										-0.4							UWCD
02N21W22G01S	9/23/2005											-50	38.6					UWCD
02N21W22G01S	7/21/2006											-50	40					UWCD
02N21W22G01S	8/18/2006										-0.4							UWCD
02N21W22G01S	9/22/2006											-50	40					UWCD
02N21W22G01S	10/20/2006											-50	40					UWCD
02N21W22G01S	11/15/2006											60	40					UWCD
02N21W22G01S	4/20/2007											50	40					UWCD
02N21W22G01S	5/18/2007											-50	40					UWCD
02N21W22G01S	7/27/2007											-50	40					UWCD
02N21W22G01S	8/15/2007	82	27	110	5	-10	290	49	241	804	-0.4	-0.05	-0.01	0	0	7	1030	VCWPD
02N21W22G01S	8/17/2007										-0.4							UWCD
02N21W22G01S	9/20/2007	80	27	106	5	-10	300	50	236	690	-0.44	50	40	0.3	0.0003	8	1050	UWCD
02N21W22G01S	10/26/2007											-50	40					UWCD
02N21W22G01S	4/24/2008											70	40					UWCD
02N21W22G01S	5/23/2008																	UWCD
02N21W22G01S	7/25/2008											110	40					UWCD
02N21W22G01S	8/26/2008										-0.4							UWCD

Nitrate (NO3) values are reported as nitrate as nitrate.

Non-detect values are reported as negative numbers.

Attachment A

Water quality data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	TDS	NO3	Fe	Mn	F	B	pH	EC	source
02N21W22G01S	7/28/2009										-0.4							UWCD
02N21W22G01S	8/26/2010	93	30	108	5	-10	280	53	260	720	-0.4	60	40	0.2	0.3	7.4	1090	UWCD
02N21W22G01S	2/9/2012																	UWCD
02N21W22G01S	8/28/2012										-0.4							UWCD
02N21W22G01S	6/19/2017																	UWCD
02N21W22G01S	8/9/2017																	UWCD
02N21W22G01S	6/12/2019	111	37	125	6	-10	300	70	325	880		-100		0.2			1280	UWCD
02N21W28A02S	7/27/2007											170	40					UWCD
02N21W28A02S	8/17/2007	104	36	104	5	-10	280	66	290	780	-0.4	60	40	0.2	0.22	7.5	1160	UWCD
02N21W28A02S	8/20/2007																	UWCD
02N21W28A02S	10/26/2007																	UWCD
02N21W28A02S	11/9/2007	104	37															UWCD
02N21W28A02S	4/24/2008											80	40					UWCD
02N21W28A02S	5/23/2008																	UWCD
02N21W28A02S	8/26/2008										-0.4							UWCD
02N21W28A02S	7/28/2009										-0.4							UWCD
02N21W28A02S	8/26/2010	106	37	111	6	-10	280	67	310	810	-0.4	70	40	0.2	0.3	7.4	1210	UWCD
02N21W28A02S	2/9/2012																	UWCD
02N21W28A02S	8/28/2012										-0.4							UWCD
02N21W28A02S	8/9/2017																	UWCD
02N21W28A02S	6/12/2019	96	37	114	6	-10	280	66	318	820		-100		0.2			1230	UWCD

Nitrate (NO3) values are reported as nitrate as nitrate.

Non-detect values are reported as negative numbers.

ATTACHMENT B

Groundwater quality data, Part 2

(from Safe Drinking Water Information System)

Attachment B
Water quality data from Safe Drinking Water Information System for CMWC Wells No. 4, 5 and 6

SWN	Sampling Date	Group/Constituent Identification	XMOD	Result	MCL	DLR	Trigger	Unit	Well Name	Storet Number	source
02N21W22G01S	7/6/1988	TOTAL DISSOLVED SOLIDS		720	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	6/11/1991	TOTAL DISSOLVED SOLIDS		940	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	6/16/1994	TOTAL DISSOLVED SOLIDS		890	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	5/16/1997	TOTAL DISSOLVED SOLIDS		810	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	8/15/2000	TOTAL DISSOLVED SOLIDS		730	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	11/17/2003	TOTAL DISSOLVED SOLIDS		640	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	8/19/2004	TOTAL DISSOLVED SOLIDS		730	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	9/20/2007	TOTAL DISSOLVED SOLIDS		690	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	8/26/2010	TOTAL DISSOLVED SOLIDS		720	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	4/19/2013	TOTAL DISSOLVED SOLIDS		770	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	8/14/2013	TOTAL DISSOLVED SOLIDS		800	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	8/16/2016	TOTAL DISSOLVED SOLIDS		800	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	6/12/2019	TOTAL DISSOLVED SOLIDS		880	1000	0	500	MG/L	CMWC No. 4	70300	SDWIS
02N21W22G01S	7/6/1988	NITRATE (AS NO3)	<	1	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	6/11/1991	NITRATE (AS NO3)	<	1	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	4/7/1994	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	6/16/1994	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	12/15/1995	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	11/19/1996	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	5/16/1997	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/20/1997	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	9/10/1998	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/10/1999	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/15/2000	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/21/2001	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/16/2002	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/22/2003	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	11/17/2003	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/19/2004	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/19/2005	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/18/2006	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/17/2007	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	9/20/2007	NITRATE (AS NO3)	<	0.44	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/26/2008	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	7/28/2009	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/26/2010	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/9/2011	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/28/2012	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	4/19/2013	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/14/2013	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/20/2014	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 4	71850	SDWIS
02N21W22G01S	8/11/2015	NITRATE (AS N)		0.1	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22G01S	8/16/2016	NITRATE (AS N)	<	0.1	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22G01S	8/9/2017	NITRATE (AS N)	<	0.4	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22G01S	8/22/2018	NITRATE (AS N)	<	0.4	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22G01S	6/12/2019	NITRATE (AS N)	<	0.4	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22G01S	6/19/2020	NITRATE (AS N)	<	0.4	10	0.4	5	mg/L	CMWC No. 4	618	SDWIS
02N21W22A01S	7/14/1995	TOTAL DISSOLVED SOLIDS		1100	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	5/16/1997	TOTAL DISSOLVED SOLIDS		1200	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	9/2/1998	TOTAL DISSOLVED SOLIDS		1100	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	8/15/2000	TOTAL DISSOLVED SOLIDS		1100	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	10/12/2001	TOTAL DISSOLVED SOLIDS		1080	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	8/19/2004	TOTAL DISSOLVED SOLIDS		1070	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	8/26/2010	TOTAL DISSOLVED SOLIDS		1060	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	8/14/2013	TOTAL DISSOLVED SOLIDS		1080	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	8/18/2016	TOTAL DISSOLVED SOLIDS		1070	1000	0	500	MG/L	CMWC No. 5	70300	SDWIS
02N21W22A01S	7/14/1995	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	11/19/1996	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	5/16/1997	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	9/2/1998	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	9/10/1998	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/10/1999	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/15/2000	NITRATE (AS NO3)	<	0	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	10/12/2001	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/16/2002	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/22/2003	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/19/2004	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/19/2005	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/18/2006	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/26/2008	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	7/28/2009	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/26/2010	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/17/2011	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/28/2012	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/14/2013	NITRATE (AS NO3)	<	0.4	45	2	23	MG/L	CMWC No. 5	71850	SDWIS

Attachment B
Water quality data from Safe Drinking Water Information System for CMWC Wells No. 4, 5 and 6

SWN	Sampling Date	Group/Constituent Identification	XMOD	Result	MCL	DLR	Trigger	Unit	Well Name	Storet Number	source
02N21W22A01S	8/22/2014	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 5	71850	SDWIS
02N21W22A01S	8/18/2016	NITRATE (AS N)	<	0.1	10	0.4		5 mg/L	CMWC No. 5	618	SDWIS
02N21W22A01S	8/15/2017	NITRATE (AS N)	<	0.4	10	0.4		5 mg/L	CMWC No. 5	618	SDWIS
02N21W28A02S	12/15/2005	TOTAL DISSOLVED SOLIDS		800	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	8/17/2007	TOTAL DISSOLVED SOLIDS		780	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	8/26/2010	TOTAL DISSOLVED SOLIDS		810	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	4/19/2013	TOTAL DISSOLVED SOLIDS		840	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	8/14/2013	TOTAL DISSOLVED SOLIDS		840	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	8/16/2016	TOTAL DISSOLVED SOLIDS		840	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	6/12/2019	TOTAL DISSOLVED SOLIDS		820	1000	0		500 MG/L	CMWC No. 6	70300	SDWIS
02N21W28A02S	12/15/2005	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/17/2007	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/26/2008	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	7/28/2009	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/26/2010	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/9/2011	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/28/2012	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	4/19/2013	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/14/2013	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/20/2014	NITRATE (AS NO3)	<	0.4	45	2		23 MG/L	CMWC No. 6	71850	SDWIS
02N21W28A02S	8/11/2015	NITRATE (AS N)	<	0.1	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS
02N21W28A02S	8/16/2016	NITRATE (AS N)	<	0.1	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS
02N21W28A02S	8/9/2017	NITRATE (AS N)	<	0.4	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS
02N21W28A02S	8/22/2018	NITRATE (AS N)	<	0.4	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS
02N21W28A02S	6/12/2019	NITRATE (AS N)	<	0.4	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS
02N21W28A02S	6/19/2020	NITRATE (AS N)	<	0.4	10	0.4		5 mg/L	CMWC No. 6	618	SDWIS

ATTACHMENT C
Groundwater level data
(from Ventura County Watershed Protection District)

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W15M03S	3/13/1969	263.9	257.1	6.8	VCWPD		0	0	
02N21W15M03S	10/17/1975	263.9	281.4	-17.5	VCWPD		0	0	
02N21W15M03S	1/28/1976	263.9	287.6	-23.7	VCWPD		0	4	
02N21W15M03S	4/7/1976	263.9	283.6	-19.7	VCWPD		0	0	
02N21W15M03S	9/28/1976	263.9	284	-20.1	VCWPD		0	0	
02N21W15M03S	3/23/1977	263.9	285	-21.1	VCWPD		0	0	
02N21W15M03S	8/23/1977	263.9	288	-24.1	VCWPD		0	0	
02N21W15M03S	9/26/1977	263.9	288.7	-24.8	VCWPD		0	0	
02N21W15M03S	11/28/1977	263.9	286.7	-22.8	VCWPD		0	0	
02N21W15M03S	1/30/1978	263.9	282.8	-18.9	VCWPD		0	0	
02N21W15M03S	4/11/1978	263.9	278.2	-14.3	VCWPD		0	0	
02N21W15M03S	7/26/1978	263.9	290.7	-26.8	VCWPD		0	0	
02N21W15M03S	10/17/1978	263.9	280	-16.1	VCWPD		0	0	
02N21W15M03S	1/23/1979	263.9	275	-11.1	VCWPD		0	0	
02N21W15M03S	4/5/1979	263.9	268.8	-4.9	VCWPD		0	0	
02N21W15M03S	5/23/1979	263.9	269.6	-5.7	VCWPD		0	0	
02N21W15M03S	10/10/1979	263.9	266	-2.1	VCWPD		0	0	
02N21W15M03S	11/28/1979	263.9	269	-5.1	VCWPD		0	0	
02N21W15M03S	2/11/1980	263.9	264.8	-0.9	VCWPD		0	0	
02N21W15M03S	7/30/1980	263.9	268.2	-4.3	VCWPD		0	0	
02N21W15M03S	12/12/1980	263.9	268.8	-4.9	VCWPD		0	0	
02N21W15M03S	2/4/1981	263.9	265.6	-1.7	VCWPD		0	0	
02N21W15M03S	4/1/1981	263.9	267.5	-3.6	VCWPD		0	0	
02N21W15M03S	7/23/1981	263.9	275	-11.1	VCWPD		0	0	
02N21W15M03S	9/25/1981	263.9	275	-11.1	VCWPD		0	0	
02N21W15M03S	4/6/1982	263.9	258.7	5.2	VCWPD		0	0	
02N21W15M03S	10/7/1982	263.9	265.2	-1.3	VCWPD		0	0	
02N21W15M03S	1/21/1983	263.9	266	-2.1	VCWPD		0	0	
02N21W15M03S	10/12/1983	263.9	260	3.9	VCWPD		0	0	
02N21W15M03S	12/6/1983	263.9	255	8.9	VCWPD		0	0	
02N21W15M03S	4/9/1984	263.9	269.3	-5.4	VCWPD		0	0	
02N21W15M03S	6/12/1984	263.9	263.3	0.6	VCWPD		0	0	
02N21W15M03S	8/7/1984	263.9	286.4	-22.5	VCWPD		0	2	
02N21W15M03S	12/26/1984	263.9	256.3	7.6	VCWPD		0	0	
02N21W15M03S	2/4/1985	263.9	277.9	-14	VCWPD		0	0	
02N21W15M03S	4/15/1985	263.9	270.4	-6.5	VCWPD		0	0	
02N21W15M03S	7/2/1985	263.9	270.2	-6.3	VCWPD		0	4	
02N21W15M03S	8/15/1985	263.9	269.3	-5.4	VCWPD		0	0	
02N21W15M03S	10/13/1986	263.9	275.7	-11.8	VCWPD		0	0	
02N21W15M03S	12/16/1986	263.9	267	-3.1	VCWPD		0	0	
02N21W15M03S	2/11/1987	263.9	266.6	-2.7	VCWPD		0	0	
02N21W15M03S	4/17/1987	263.9	279.1	-15.2	VCWPD		0	0	
02N21W15M03S	6/16/1987	263.9	290	-26.1	VCWPD		0	0	
02N21W15M03S	9/29/1987	263.9	281.2	-17.3	VCWPD		0	0	
02N21W15M03S	2/4/1988	263.9	282.2	-18.3	VCWPD		0	0	
02N21W15M03S	4/13/1988	263.9	325.1	-61.2	VCWPD		0	0	
02N21W15M03S	5/26/1988	263.9	279.9	-16	VCWPD		0	0	
02N21W15M03S	8/1/1988	263.9	281.7	-17.8	VCWPD		0	0	
02N21W15M03S	10/7/1988	263.9	315.1	-51.2	VCWPD		0	0	
02N21W15M03S	11/29/1988	263.9	287	-23.1	VCWPD		0	0	
02N21W15M03S	2/2/1989	263.9	288.1	-24.2	VCWPD		0	0	
02N21W15M03S	4/5/1989	263.9	325.8	-61.9	VCWPD		0	2	
02N21W15M03S	5/18/1989	263.9	307.8	-43.9	VCWPD		0	2	
02N21W15M03S	8/2/1989	263.9	326.3	-62.4	VCWPD		0	2	
02N21W15M03S	10/12/1989	263.9	317.4	-53.5	VCWPD		0	2	
02N21W15M03S	12/7/1989	263.9	331.2	-67.3	VCWPD		0	2	
02N21W15M03S	2/7/1990	263.9	323.7	-59.8	VCWPD		0	2	
02N21W15M03S	4/4/1990	263.9	317.1	-53.2	VCWPD		0	2	
02N21W15M03S	6/7/1990	263.9	302.9	-39	VCWPD		0	0	
02N21W15M03S	8/9/1990	263.9	314.4	-50.5	VCWPD		0	0	
02N21W15M03S	10/10/1990	263.9	309.2	-45.3	VCWPD		0	0	
02N21W15M03S	12/7/1990	263.9	341.4	-77.5	VCWPD		0	2	
02N21W15M03S	2/7/1991	263.9	338.7	-74.8	VCWPD		0	2	
02N21W15M03S	4/8/1991	263.9	336.2	-72.3	VCWPD		0	2	
02N21W15M03S	6/6/1991	262.3	321.8999939	-59.59999466	unknown				
02N21W15M03S	8/8/1991	262.3	321.8999939	-59.59999466	unknown				
02N21W15M03S	10/7/1991	263.9	341.8	-77.9	VCWPD		0	2	
02N21W15M03S	11/26/1991	262.3	341.1000061	-78.80000305	unknown				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W15M03S	1/29/1992	263.9		326	-62.1 VCWPD		0	0	
02N21W15M03S	3/24/1992	263.9		306.3	-42.4 VCWPD		0	0	
02N21W15M03S	5/21/1992	263.9		338	-74.1 VCWPD		0	0	
02N21W15M03S	7/21/1992	263.9		332	-68.1 VCWPD		0	0	
02N21W15M03S	9/24/1992	263.9		320	-56.1 VCWPD		0	0	
02N21W15M03S	11/25/1992	262.3		339.5	-77.19999695 VCWPD Master WLE 2010				1
02N21W15M03S	1/29/1993	263.9		308.5	-44.6 VCWPD		0	0	
02N21W15M03S	3/31/1993	263.9		300.5	-36.6 VCWPD		0	0	
02N21W15M03S	5/25/1993	263.9		303.5	-39.6 VCWPD		0	0	
02N21W15M03S	7/20/1993	262.3	326.7000122	-64.40000916	VCWPD Master WLE 2010				1
02N21W15M03S	9/30/1993	263.9		309.3	-45.4 VCWPD		0	0	
02N21W15M03S	1/23/1994	263.9		301.1	-37.2 VCWPD		0	0	
02N21W15M03S	3/23/1994	262.3	318.2000122	-55.90001297	VCWPD Master WLE 2010				1
02N21W15M03S	6/6/1994	263.9		321	-57.1 VCWPD		0	2	
02N21W15M03S	8/3/1994	262.3		321.5	-59.20000076 VCWPD Master WLE 2010				1
02N21W15M03S	9/21/1994	263.9		319	-55.1 VCWPD		0	0	
02N21W15M03S	12/7/1994	263.9		316.2	-52.3 VCWPD		0	2	
02N21W15M03S	1/19/1995	263.9		290.9	-27 VCWPD		0	0	
02N21W15M03S	3/20/1995	263.9		285	-21.1 VCWPD		0	0	
02N21W15M03S	5/30/1995	263.9		287.5	-23.6 VCWPD		0	0	
02N21W15M03S	7/25/1995	263.9		315.3	-51.4 VCWPD		0	2	
02N21W15M03S	10/16/1995	263.9		291	-27.1 VCWPD		0	0	
02N21W15M03S	12/5/1995	263.9		317.2	-53.3 VCWPD		0	2	
02N21W15M03S	2/6/1996	263.9		283.3	-19.4 VCWPD		0	0	
02N21W15M03S	6/10/1996	263.9		289.5	-25.6 VCWPD		0	0	
02N21W15M03S	9/27/1996	263.9		322.7	-58.8 VCWPD		0	2	
02N21W15M03S	1/30/1997	262.3		280.4	-18.1 unknown				
02N21W15M03S	4/2/1997	262.3		312.4	-50.1 unknown				
02N21W15M03S	5/23/1997	262.3		306	-43.7 unknown				
02N21W15M03S	7/30/1997	262.3		321	-58.7 unknown				
02N21W15M03S	10/9/1997	262.3		320	-57.7 unknown				
02N21W15M03S	11/28/1997	262.3		286.8	-24.5 unknown				
02N21W15M03S	3/19/1998	263.9		303	-39.1 VCWPD		0	2	
02N21W15M03S	6/12/1998	263.9		306.8	-42.9 VCWPD		0	0	
02N21W15M03S	8/13/1998	263.9		311.4	-47.5 VCWPD		0	0	
02N21W15M03S	10/13/1998	263.9		308.4	-44.5 VCWPD		0	0	
02N21W15M03S	12/14/1998	263.9		308.6	-44.7 VCWPD		0	0	
02N21W15M03S	2/3/1999	263.9		271.5	-7.6 VCWPD		0	0	
02N21W15M03S	4/8/1999	263.9		266.2	-2.3 VCWPD		0	0	
02N21W15M03S	5/25/1999	263.9		279.5	-15.6 VCWPD		0	0	
02N21W15M03S	7/27/1999	263.9		308.1	-44.2 VCWPD		0	0	
02N21W15M03S	10/13/1999	263.9		299.2	-35.3 VCWPD		0	0	
02N21W15M03S	12/9/1999	263.9		278.6	-14.7 VCWPD		0	0	
02N21W15M03S	4/6/2000	263.9		293.8	-29.9 VCWPD		0	1	
02N21W15M03S	6/1/2000	263.9		292.6	-28.7 VCWPD		0	0	
02N21W15M03S	2/12/2002	263.9		272	-8.1 VCWPD		0	0	
02N21W15M03S	4/11/2002	263.9		292	-28.1 VCWPD		0	0	
02N21W15M03S	2/5/2003	263.9		292	-28.1 VCWPD		0	0	
02N21W15M03S	4/3/2003	263.9		291	-27.1 VCWPD		0	0	
02N21W15M03S	6/9/2003	263.9		263	0.9 VCWPD		0	0	
02N21W15M03S	8/7/2003	263.9		283	-19.1 VCWPD		0	0	
02N21W15M03S	10/10/2003	263.9		272	-8.1 VCWPD		0	0	
02N21W15M03S	12/5/2003	263.9		272.8	-8.9 VCWPD		0	0	
02N21W15M03S	2/6/2004	263.9		267.6	-3.7 VCWPD		0	0	
02N21W15M03S	4/9/2004	263.9		272.3	-8.4 VCWPD		0	0	
02N21W15M03S	6/8/2004	263.9		293	-29.1 VCWPD		0	0	
02N21W15M03S	12/15/2004	263.9		288.4	-24.5 VCWPD		0	0	
02N21W15M03S	2/7/2005	263.9		282.2	-18.3 VCWPD		0	0	
02N21W15M03S	4/6/2005	263.9		293	-29.1 VCWPD		0	0	
02N21W15M03S	6/9/2005	263.9		295	-31.1 VCWPD		0	2	
02N21W15M03S	8/5/2005	263.9		274.5	-10.6 VCWPD		0	0	
02N21W15M03S	8/10/2007	263.9		287	-23.1 VCWPD		0	0	
02N21W15M03S	12/5/2007	263.9		287	-23.1 VCWPD		0	0	
02N21W15M03S	2/8/2008	263.9		251.2	12.7 VCWPD		0	0	
02N21W15M03S	4/2/2008	263.9		284.2	-20.3 VCWPD		0	2	
02N21W15M03S	6/5/2008	263.9		285.7	-21.8 VCWPD		0	0	
02N21W15M03S	8/13/2008	263.9		268.2	-4.3 VCWPD		0	0	
02N21W15M03S	10/2/2008	263.9		292.2	-28.3 VCWPD		0	0	

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W15M03S	12/8/2008	263.9	267	-3.1	VCWPD		0	0	
02N21W15M03S	3/31/2009	263.9	280	-16.1	VCWPD		0	0	
02N21W15M03S	6/4/2009	263.9	278.8	-14.9	VCWPD		0	0	
02N21W15M03S	8/3/2009	263.9	279.1	-15.2	VCWPD		0	0	
02N21W15M03S	10/9/2009	263.9	282	-18.1	VCWPD		0	0	
02N21W15M03S	12/3/2009	263.9	271.6	-7.7	VCWPD		0	0	
02N21W15M03S	2/11/2010	263.9	257.9	6	VCWPD		0	0	
02N21W15M03S	4/9/2010	263.9	265.5	-1.6	VCWPD		0	0	
02N21W15M03S	6/6/2010	263.9	279.7	-15.8	VCWPD		0	0	
02N21W15M03S	8/10/2010	263.9	289	-25.1	VCWPD		0	2	
02N21W15M03S	10/13/2010	263.9	273	-9.1	VCWPD		0	0	
02N21W15M03S	12/14/2010	263.9	136.6	127.3	VCWPD				
02N21W15M03S	3/7/2011	263.9	135.9	128	VCWPD				
02N21W15M03S	6/28/2011	263.87	136.1	127.77	VCWPD				
02N21W15M03S	9/28/2011	263.87	134.4	129.47	VCWPD			2	
02N21W15M03S	12/15/2011	263.87	136.8	127.07	VCWPD				
02N21W15M03S	3/21/2012	263.87	134.7	129.17	VCWPD				
02N21W15M03S	6/6/2012	263.87	136.6	127.27	VCWPD				
02N21W15M03S	9/14/2012	263.87	136.8	127.07	VCWPD				
02N21W15M03S	12/11/2012	263.87	136.2	127.67	VCWPD				
02N21W15M03S	3/4/2013	263.87	137.9	125.97	VCWPD				
02N21W15M03S	9/13/2013	263.87	282.9	-19.03	VCWPD				
02N21W15M03S	12/16/2013	263.87	277.2	-13.33	VCWPD				
02N21W15M03S	3/6/2014	263.87	265.1	-1.23	VCWPD				
02N21W15M03S	6/9/2014	263.87	280.8	-16.93	VCWPD				
02N21W15M03S	7/14/2014	263.87	281.9	-18.03	VCWPD			2	
02N21W15M03S	8/15/2014	263.87	283	-19.13	VCWPD				
02N21W15M03S	9/15/2014	263.87	284.2	-20.33	VCWPD				
02N21W15M03S	12/11/2014	263.87	275.6	-11.73	VCWPD				
02N21W15M03S	3/9/2015	263.87	287.7	-23.83	VCWPD			2	
02N21W15M03S	6/5/2015	263.87	324.6	-60.73	VCWPD			2	
02N21W15M03S	10/22/2015	263.87	317.5	-53.63	VCWPD				
02N21W15M03S	12/21/2015	263.87	315.5	-51.63	VCWPD			9	
02N21W15M03S	3/3/2016	263.87	309.6	-45.73	VCWPD			9	
02N21W15M03S	6/21/2016	263.87	326.5	-62.63	VCWPD			9	
02N21W15M03S	9/8/2016	263.87	332.3	-68.43	VCWPD			9	
02N21W15M03S	12/12/2016	263.87	315.6	-51.73	VCWPD			9	
02N21W15M03S	3/9/2017	263.87	314.2	-50.33	VCWPD			9	
02N21W15M03S	6/6/2017	263.87	313.7	-49.83	VCWPD			9	
02N21W15M03S	9/11/2017	263.87	329.9	-66.03	VCWPD			9	
02N21W15M03S	12/13/2017	263.87	332.1	-68.23	VCWPD			9	
02N21W15M03S	3/6/2018	263.87	329.4	-65.53	VCWPD			9	
02N21W15M03S	6/15/2018	263.87	330.9	-67.03	VCWPD				
02N21W15M03S	12/10/2018	263.87	325.7	-61.83	VCWPD			9	
02N21W15M03S	3/25/2019	263.87	330	-66.13	VCWPD			9	
02N21W15M03S	6/17/2019	263.87	325	-61.13	VCWPD			9	
02N21W15M03S	10/7/2019	263.87	338.7	-74.83	VCWPD			9	
02N21W15M03S	12/16/2019	263.87	327	-63.13	VCWPD			9	
02N21W15M03S	3/30/2020	263.87	330.9	-67.03	VCWPD			9	
02N21W15M03S	6/10/2020	263.87	326.6	-62.73	VCWPD			9	
02N21W15M03S	9/30/2020	263.87	340.3	-76.43	VCWPD			9	
02N21W15M03S	10/19/2020	263.87	326.9	-63.03	VCWPD			9	
02N21W15M03S	12/3/2020	263.87	0	263.87	VCWPD			9	
02N21W16J01S	9/28/1972	259.9	67.7	192.2	VCWPD	0	0		
02N21W16J01S	11/30/1972	259.9	67.3	192.6	VCWPD	0	0		
02N21W16J01S	2/21/1973	259.9	66	193.9	VCWPD	0	0		
02N21W16J01S	4/4/1973	259.9	66	193.9	VCWPD	0	0		
02N21W16J01S	6/8/1973	259.9	65.2	194.7	VCWPD	0	0		
02N21W16J01S	8/7/1973	259.9	64.5	195.4	VCWPD	0	0		
02N21W16J01S	9/25/1973	259.9	65.7	194.2	VCWPD	0	0		
02N21W16J01S	12/5/1973	259.9	65.5	194.4	VCWPD	0	0		
02N21W16J01S	1/23/1974	259.9	62.2	197.7	VCWPD	0	0		
02N21W16J01S	3/25/1974	259.9	61.4	198.5	VCWPD	0	0		
02N21W16J01S	6/4/1974	259.9	60.1	199.8	VCWPD	0	0		
02N21W16J01S	7/22/1974	259.9	59.4	200.5	VCWPD	0	0		
02N21W16J01S	10/22/1974	259.9	59.2	200.7	VCWPD	0	0		
02N21W16J01S	12/2/1974	259.9	57.1	202.8	VCWPD	0	0		
02N21W16J01S	1/27/1975	259.9	56.5	203.4	VCWPD	0	0		

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W16J01S	3/24/1975	259.9	56.8	203.1	VCWPD		0	0	
02N21W16J01S	5/20/1975	259.9	54.5	205.4	VCWPD		0	0	
02N21W16J01S	7/28/1975	259.9	53.7	206.2	VCWPD		0	0	
02N21W16J01S	9/30/1975	259.9	52.4	207.5	VCWPD		0	0	
02N21W16J01S	11/24/1975	259.9	51	208.9	VCWPD		0	0	
02N21W16J01S	2/3/1976	259.9	50	209.9	VCWPD		0	0	
02N21W16J01S	3/25/1976	259.9	50	209.9	VCWPD		0	0	
02N21W16J01S	5/21/1976	259.9	49.9	210	VCWPD		0	0	
02N21W16J01S	7/22/1976	259.9	49.5	210.4	VCWPD		0	0	
02N21W16J01S	9/27/1976	259.9	49.2	210.7	VCWPD		0	0	
02N21W16J01S	11/30/1976	259.9	49.1	210.8	VCWPD		0	0	
02N21W16J01S	1/31/1977	259.9	49	210.9	VCWPD		0	0	
02N21W16J01S	3/23/1977	259.9	49	210.9	VCWPD		0	0	
02N21W16J01S	5/31/1977	259.9	49.2	210.7	VCWPD		0	0	
02N21W16J01S	7/25/1977	259.9	49.2	210.7	VCWPD		0	0	
02N21W16J01S	9/26/1977	259.9	49.3	210.6	VCWPD		0	0	
02N21W16J01S	11/28/1977	259.9	49.4	210.5	VCWPD		0	0	
02N21W16J01S	1/30/1978	259.9	49.1	210.8	VCWPD		0	0	
02N21W16J01S	4/11/1978	259.9	48.8	211.1	VCWPD		0	0	
02N21W16J01S	5/24/1978	259.9	48.6	211.3	VCWPD		0	0	
02N21W16J01S	7/26/1978	259.9	48	211.9	VCWPD		0	0	
02N21W16J01S	9/28/1978	259.9	47.2	212.7	VCWPD		0	0	
02N21W16J01S	11/28/1978	259.9	46.7	213.2	VCWPD		0	0	
02N21W16J01S	1/23/1979	259.9	46.6	213.3	VCWPD		0	0	
02N21W16J01S	4/5/1979	259.9	46.4	213.5	VCWPD		0	0	
02N21W16J01S	5/23/1979	259.9	44.4	215.5	VCWPD		0	0	
02N21W16J01S	7/30/1979	259.9	44	215.9	VCWPD		0	0	
02N21W16J01S	10/10/1979	259.9	43.4	216.5	VCWPD		0	0	
02N21W16J01S	11/28/1979	259.9	43	216.9	VCWPD		0	0	
02N21W16J01S	2/11/1980	259.9	42.9	217	VCWPD		0	0	
02N21W16J01S	4/1/1980	259.9	41.7	218.2	VCWPD		0	0	
02N21W16J01S	5/28/1980	259.9	41.5	218.4	VCWPD		0	0	
02N21W16J01S	7/30/1980	259.9	40.7	219.2	VCWPD		0	0	
02N21W16J01S	9/26/1980	259.9	40.4	219.5	VCWPD		0	0	
02N21W16J01S	12/12/1980	259.9	40.1	219.8	VCWPD		0	0	
02N21W16J01S	2/4/1981	259.9	40.1	219.8	VCWPD		0	0	
02N21W16J01S	4/1/1981	259.9	39.7	220.2	VCWPD		0	0	
02N21W16J01S	5/29/1981	259.9	39.5	220.4	VCWPD		0	0	
02N21W16J01S	7/21/1981	259.9	39.5	220.4	VCWPD		0	0	
02N21W16J01S	9/25/1981	259.9	39.3	220.6	VCWPD		0	0	
02N21W16J01S	12/8/1981	259.9	38.8	221.1	VCWPD		0	0	
02N21W16J01S	2/9/1982	259.9	38.7	221.2	VCWPD		0	0	
02N21W16J01S	4/6/1982	259.9	38.5	221.4	VCWPD		0	0	
02N21W16J01S	5/21/1982	259.9	38.9	221	VCWPD		0	0	
02N21W16J01S	7/27/1982	259.9	38.8	221.1	VCWPD		0	0	
02N21W16J01S	10/7/1982	259.9	38.9	221	VCWPD		0	0	
02N21W16J01S	12/9/1982	259.9	38.7	221.2	VCWPD		0	0	
02N21W16J01S	1/21/1983	259.9	38.7	221.2	VCWPD		0	0	
02N21W16J01S	4/12/1983	259.9	38	221.9	VCWPD		0	0	
02N21W16J01S	6/8/1983	259.9	37.3	222.6	VCWPD		0	0	
02N21W16J01S	8/10/1983	259.9	36.9	223	VCWPD		0	0	
02N21W16J01S	10/12/1983	259.9	36.8	223.1	VCWPD		0	0	
02N21W16J01S	12/6/1983	259.9	37.1	222.8	VCWPD		0	0	
02N21W16J01S	2/22/1984	259.9	36	223.9	VCWPD		0	0	
02N21W16J01S	4/9/1984	259.9	42	217.9	VCWPD		0	0	
02N21W16J01S	6/12/1984	259.9	35.3	224.6	VCWPD		0	0	
02N21W16J01S	8/3/1984	259.9	35.5	224.4	VCWPD		0	0	
02N21W16J01S	9/24/1984	259.9	35.1	224.8	VCWPD		0	0	
02N21W16J01S	12/26/1984	259.9	34.4	225.5	VCWPD		0	0	
02N21W16J01S	2/4/1985	259.9	34.5	225.4	VCWPD		0	0	
02N21W16J01S	4/15/1985	259.9	34.4	225.5	VCWPD		0	0	
02N21W16J01S	7/2/1985	259.9	33.7	226.2	VCWPD		0	0	
02N21W16J01S	8/15/1985	259.9	34.3	225.6	VCWPD		0	0	
02N21W16J01S	10/10/1985	259.9	34.9	225	VCWPD		0	0	
02N21W16J01S	6/24/1986	259.9	32.7	227.2	VCWPD		0	0	
02N21W16J01S	8/21/1986	259.9	33.3	226.6	VCWPD		0	0	
02N21W16J01S	10/10/1986	259.9	32.4	227.5	VCWPD		0	0	
02N21W16J01S	12/16/1986	259.9	32.2	227.7	VCWPD		0	0	

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W16J01S	2/11/1987	259.9		32.2	227.7 VCWPD		0	0	
02N21W16J01S	6/16/1987	259.9		31.5	228.4 VCWPD		0	0	
02N21W16J01S	8/12/1987	259.9		31.3	228.6 VCWPD		0	0	
02N21W16J01S	9/29/1987	259.9		31.5	228.4 VCWPD		0	0	
02N21W16J01S	12/2/1987	259.9		31.7	228.2 VCWPD		0	0	
02N21W16J01S	2/4/1988	259.9		31.9	228 VCWPD		0	0	
02N21W16J01S	4/5/1988	259.9		31.5	228.4 VCWPD		0	0	
02N21W16J01S	5/26/1988	259.9		30.4	229.5 VCWPD		0	0	
02N21W16J01S	8/1/1988	259.9		29.7	230.2 VCWPD		0	0	
02N21W16J01S	10/7/1988	259.9		30	229.9 VCWPD		0	0	
02N21W16J01S	11/29/1988	259.9		29.3	230.6 VCWPD		0	0	
02N21W16J01S	2/2/1989	259.9		28.6	231.3 VCWPD		0	0	
02N21W16J01S	4/5/1989	259.9		28.2	231.7 VCWPD		0	0	
02N21W16J01S	5/18/1989	259.9		27.8	232.1 VCWPD		0	0	
02N21W16J01S	8/2/1989	259.9		27.5	232.4 VCWPD		0	0	
02N21W16J01S	10/12/1989	259.9		28.2	231.7 VCWPD		0	0	
02N21W16J01S	12/7/1989	259.9		28.6	231.3 VCWPD		0	0	
02N21W16J01S	2/7/1990	259.9		28	231.9 VCWPD		0	0	
02N21W16J01S	4/4/1990	259.9		27	232.9 VCWPD		0	0	
02N21W16J01S	6/7/1990	259.9		27.2	232.7 VCWPD		0	0	
02N21W16J01S	8/9/1990	259.9		27.5	232.4 VCWPD		0	0	
02N21W16J01S	10/8/1990	259.9		28.3	231.6 VCWPD		0	0	
02N21W16J01S	12/7/1990	259.9		28.4	231.5 VCWPD		0	0	
02N21W16J01S	2/7/1991	258.91	28.20000076	230.7100067	unknown				
02N21W16J01S	4/8/1991	258.91	27	231.9100037	unknown				
02N21W16J01S	6/6/1991	258.91	27.5	231.4100037	unknown				
02N21W16J01S	8/8/1991	258.91	27.10000038	231.8099976	unknown				
02N21W16J01S	10/7/1991	258.91	27.20000076	231.7100067	unknown				
02N21W16J01S	11/26/1991	258.91	27.29999924	231.6100006	unknown				
02N21W16J01S	1/29/1992	258.91	28.29999924	230.6100006	unknown				
02N21W16J01S	5/21/1992	258.91	25.20000076	233.7100067	unknown				
02N21W16J01S	7/21/1992	258.91	26.60000038	232.3099976	unknown				
02N21W16J01S	10/2/1992	258.91	25.10000038	233.8099976	unknown				
02N21W16J01S	11/25/1992	258.91	26	232.9100037	unknown				
02N21W16J01S	2/5/1993	258.91	24.20000076	234.7100067	unknown				
02N21W16J01S	3/31/1993	258.91	23.60000038	235.3099976	unknown				
02N21W16J01S	5/25/1993	258.91	22	236.9100037	unknown				
02N21W16J01S	7/20/1993	258.91	21	237.9100037	unknown				
02N21W16J01S	9/30/1993	259.9	22	237.9 VCWPD		0	0		
02N21W16J01S	1/23/1994	259.9	21.5	238.4 VCWPD		0	0		
02N21W16J01S	3/23/1994	259.9	21	238.9 VCWPD		0	0		
02N21W16J01S	8/3/1994	259.9	20.7	239.2 VCWPD		0	0		
02N21W16J01S	9/21/1994	259.9	21.2	238.7 VCWPD		0	0		
02N21W16J01S	12/7/1994	259.9	21.5	238.4 VCWPD		0	0		
02N21W16J01S	1/19/1995	259.9	19.7	240.2 VCWPD		0	0		
02N21W16J01S	3/20/1995	259.9	18	241.9 VCWPD		0	0		
02N21W16J01S	6/6/1995	259.9	18.4	241.5 VCWPD		0	0		
02N21W16J01S	10/16/1995	259.9	19.4	240.5 VCWPD		0	0		
02N21W16J01S	12/5/1995	259.9	19.4	240.5 VCWPD		0	0		
02N21W16J01S	2/6/1996	259.9	19	240.9 VCWPD		0	0		
02N21W16J01S	4/2/1996	259.9	17.7	242.2 VCWPD		0	0		
02N21W16J01S	6/10/1996	259.9	18.3	241.6 VCWPD		0	0		
02N21W16J01S	7/23/1996	259.9	19	240.9 VCWPD		0	0		
02N21W16J01S	5/23/1997	258.91	18	240.91 unknown					
02N21W16J01S	10/9/1997	258.91	18.2	240.71 unknown					
02N21W16J01S	8/13/1998	259.9	15.3	244.6 VCWPD		0	0		
02N21W16J01S	12/14/1998	259.9	15.8	244.1 VCWPD		0	0		
02N21W16J01S	2/3/1999	259.9	14.9	245 VCWPD		0	0		
02N21W16J01S	12/9/1999	259.9	17.2	242.7 VCWPD		0	0		
02N21W16J01S	4/6/2000	259.9	16.5	243.4 VCWPD		0	0		
02N21W16J01S	8/8/2000	259.9	15	244.9 VCWPD		0	0		
02N21W16J01S	4/5/2001	259.9	12.1	247.8 VCWPD		0	0		
02N21W16J01S	6/4/2001	259.9	12.5	247.4 VCWPD		0	0		
02N21W16J01S	8/15/2001	259.9	13.2	246.7 VCWPD		0	0		
02N21W16J01S	10/8/2001	259.9	14.2	245.7 VCWPD		0	0		
02N21W16J01S	12/17/2001	259.9	13.5	246.4 VCWPD		0	0		
02N21W16J01S	2/12/2002	259.9	14.2	245.7 VCWPD		0	0		
02N21W16J01S	6/7/2002	259.9	13.6	246.3 VCWPD		0	0		

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W16J01S	8/8/2002	259.9	14.2	245.7	VCWPD		0	0	
02N21W16J01S	10/18/2002	259.9	14.5	245.4	VCWPD		0	0	
02N21W16J01S	12/9/2002	259.9	13.5	246.4	VCWPD		0	0	
02N21W16J01S	2/5/2003	259.9	13.8	246.1	VCWPD		0	0	
02N21W16J01S	6/9/2003	259.9	12.7	247.2	VCWPD		0	0	
02N21W16J01S	8/7/2003	259.9	12.9	247	VCWPD		0	0	
02N21W16J01S	10/10/2003	259.9	13.8	246.1	VCWPD		0	0	
02N21W16J01S	12/5/2003	259.9	13.9	246	VCWPD		0	0	
02N21W16J01S	4/9/2004	259.9	13.6	246.3	VCWPD		0	0	
02N21W16J01S	6/8/2004	259.9	14	245.9	VCWPD		0	0	
02N21W16J01S	12/15/2004	259.9	14.1	245.8	VCWPD		0	0	
02N21W16J01S	2/7/2005	259.9	11.1	248.8	VCWPD		0	0	
02N21W16J01S	4/6/2005	259.9	10.1	249.8	VCWPD		0	0	
02N21W16J01S	6/9/2005	259.9	11.1	248.8	VCWPD		0	0	
02N21W16J01S	8/5/2005	259.9	12	247.9	VCWPD		0	0	
02N21W16J01S	10/7/2005	259.9	12.2	247.7	VCWPD		0	0	
02N21W16J01S	12/9/2005	259.9	12.1	247.8	VCWPD		0	0	
02N21W16J01S	2/9/2006	259.9	11.8	248.1	VCWPD		0	0	
02N21W16J01S	4/13/2006	259.9	9.5	250.4	VCWPD		0	0	
02N21W16J01S	6/12/2006	259.9	10.6	249.3	VCWPD		0	0	
02N21W16J01S	8/1/2006	259.9	11.2	248.7	VCWPD		0	0	
02N21W16J01S	10/2/2006	259.9	12.3	247.6	VCWPD		0	0	
02N21W16J01S	2/7/2007	259.9	10.9	249	VCWPD		0	0	
02N21W16J01S	4/3/2007	259.9	11.4	248.5	VCWPD		0	0	
02N21W16J01S	6/11/2007	259.9	12.1	247.8	VCWPD		0	0	
02N21W16J01S	8/10/2007	259.9	12.8	247.1	VCWPD		0	0	
02N21W16J01S	10/8/2007	259.9	12.8	247.1	VCWPD		0	0	
02N21W16J01S	12/5/2007	259.9	12.6	247.3	VCWPD		0	0	
02N21W16J01S	2/8/2008	259.9	9.6	250.3	VCWPD		0	0	
02N21W16J01S	4/2/2008	259.9	11	248.9	VCWPD		0	0	
02N21W16J01S	6/5/2008	259.9	11.2	248.7	VCWPD		0	0	
02N21W16J01S	8/13/2008	259.9	12	247.9	VCWPD		0	0	
02N21W16J01S	10/2/2008	259.9	12.2	247.7	VCWPD		0	0	
02N21W16J01S	12/8/2008	259.9	12	247.9	VCWPD		0	0	
02N21W16J01S	3/31/2009	259.9	11.2	248.7	VCWPD		0	0	
02N21W16J01S	6/4/2009	259.9	11.5	248.4	VCWPD		0	0	
02N21W16J01S	8/3/2009	259.9	11.4	248.5	VCWPD		0	0	
02N21W16J01S	10/9/2009	259.9	12.7	247.2	VCWPD		0	0	
02N21W16J01S	4/9/2010	259.9	10.9	249	VCWPD		0	0	
02N21W16J01S	6/6/2010	259.9	11.4	248.5	VCWPD		0	0	
02N21W16J01S	8/10/2010	259.9	12.3	247.6	VCWPD		0	0	
02N21W16J01S	10/13/2010	259.9	12.3	247.6	VCWPD		0	0	
02N21W16J01S	12/13/2010	259.9	12.77	247.13	VCWPD				
02N21W16J01S	3/7/2011	259.9	10.55	249.35	VCWPD				
02N21W16J01S	6/28/2011	259.9	10.6	249.3	VCWPD				
02N21W16J01S	9/28/2011	259.9	11.6	248.3	VCWPD				
02N21W16J01S	12/15/2011	259.9	11.8	248.1	VCWPD				
02N21W16J01S	3/21/2012	259.9	11.81	248.09	VCWPD				
02N21W16J01S	6/6/2012	259.9	12	247.9	VCWPD			2	
02N21W16J01S	9/14/2012	259.9	12.14	247.76	VCWPD				
02N21W16J01S	12/11/2012	259.9	12.7	247.2	VCWPD				
02N21W16J01S	3/4/2013	259.9	13.05	246.85	VCWPD				
02N21W16J01S	6/6/2013	259.9	13.8	246.1	VCWPD				
02N21W16J01S	9/13/2013	259.9	14.2	245.7	VCWPD				
02N21W16J01S	12/16/2013	259.9	15.1	244.8	VCWPD				
02N21W16J01S	3/6/2014	259.9	12.9	247	VCWPD				
02N21W16J01S	6/9/2014	259.9	15.75	244.15	VCWPD				
02N21W16J01S	7/14/2014	259.9	15.6	244.3	VCWPD				
02N21W16J01S	8/15/2014	259.9	15.75	244.15	VCWPD				
02N21W16J01S	9/15/2014	259.9	15.8	244.1	VCWPD				
02N21W16J01S	12/11/2014	259.9	16.2	243.7	VCWPD				
02N21W16J01S	3/9/2015	259.9	15.5	244.4	VCWPD				
02N21W16J01S	6/4/2015	259.9	16.6	243.3	VCWPD				
02N21W16J01S	10/22/2015	259.9	17.2	242.7	VCWPD				
02N21W16J01S	12/21/2015	259.9	17.4	242.5	VCWPD				
02N21W16J01S	3/3/2016	259.9	17.8	242.1	VCWPD				
02N21W16J01S	6/21/2016	259.9	17.7	242.2	VCWPD				
02N21W16J01S	9/8/2016	259.9	18.3	241.6	VCWPD				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W16J01S	12/12/2016	259.9		18.6	241.3 VCWPD				
02N21W16J01S	3/9/2017	259.9		13.7	246.2 VCWPD				
02N21W16J01S	6/6/2017	259.9		16.8	243.1 VCWPD				
02N21W16J01S	9/8/2017	259.9		16.4	243.5 VCWPD				
02N21W16J01S	12/13/2017	259.9		16.9	243 VCWPD				
02N21W16J01S	3/6/2018	259.9		16.7	243.2 VCWPD				
02N21W16J01S	6/15/2018	259.9		17.1	242.8 VCWPD				
02N21W16J01S	9/27/2018	259.9		17.9	242 VCWPD				
02N21W16J01S	12/10/2018	259.9		17.1	242.8 VCWPD				
02N21W16J01S	3/25/2019	259.9		14.1	245.8 VCWPD				
02N21W16J01S	6/17/2019	259.9		16	243.9 VCWPD				
02N21W16J01S	9/30/2019	259.9		16.7	243.2 VCWPD				
02N21W16J01S	12/16/2019	259.9		16.6	243.3 VCWPD				
02N21W16J01S	3/30/2020	259.9		16.9	243 VCWPD				
02N21W16J01S	6/10/2020	259.9		17	242.9 VCWPD				
02N21W16J01S	9/30/2020	259.9		17.5	242.4 VCWPD				
02N21W16J01S	12/3/2020	259.9		17.87	242.03 VCWPD				
02N21W16J03S	1/17/1992	256.21	312.2999878	-56.08998871	SCE				
02N21W16J03S	2/7/1995	256.21	303.7000122	-47.49001312	SCE				
02N21W16J03S	3/15/1997	256.21		299	-42.79 SCE				
02N21W16J03S	2/24/1999	256.21		292.7	-36.49 SCE				
02N21W16J03S	3/11/1999	256.21		299.1	-42.89 SCE				
02N21W16J03S	3/22/1999	256.21		303.32	-47.11 UWCD				8
02N21W16J03S	2/9/2000	256.21		307.83	-51.62 UWCD				
02N21W16J03S	4/5/2000	256.21		307	-50.79 UWCD				
02N21W16J03S	9/28/2000	256.21		320	-63.79 UWCD				
02N21W16J03S	11/28/2000	256.21		314.75	-58.54 UWCD				
02N21W16J03S	2/5/2001	256.21		312.66	-56.45 UWCD				8
02N21W16J03S	3/28/2001	256.21		309.5	-53.29 UWCD				
02N21W16J03S	7/26/2001	256.21		311.75	-55.54 UWCD				8
02N21W16J03S	10/4/2001	256.21		320	-63.79 UWCD				
02N21W16J03S	12/5/2001	256.21		305.2	-48.99 UWCD				
02N21W16J03S	2/1/2002	256.21		304.22	-48.01 UWCD				8
02N21W16J03S	4/2/2002	256.21		305.2	-48.99 UWCD				
02N21W16J03S	12/5/2002	256.21		311.5	-55.29 UWCD				
02N21W16J03S	4/2/2003	256.21		310.05	-53.84 UWCD				
02N21W16J03S	10/10/2003	256.21		315.75	-59.54 UWCD				
02N21W16J03S	12/15/2003	256.21		312.8	-56.59 UWCD				
02N21W16J03S	2/4/2004	256.21		312	-55.79 UWCD				
02N21W16J03S	6/17/2004	256.21		371.7	-115.49 UWCD				4
02N21W16J03S	8/6/2004	256.21		335.1	-78.89 UWCD				
02N21W16J03S	2/14/2005	256.21		313.75	-57.54 UWCD				
02N21W16J03S	4/6/2005	256.21		312.75	-56.54 UWCD				
02N21W16J03S	8/22/2005	256.21		318.25	-62.04 UWCD				
02N21W16J03S	11/9/2005	256.21		311.8	-55.59 UWCD				
02N21W16J03S	10/26/2006	256.21		302.58	-46.37 UWCD				
02N21W16J03S	1/11/2007	256.21		300.07	-43.86 UWCD				
02N21W16J03S	4/11/2007	256.21		297.75	-41.54 UWCD				
02N21W16J03S	6/8/2009	256.21		315.6	-59.39 UWCD				
02N21W16J03S	7/31/2009	256.21		319.83	-63.62 UWCD				
02N21W16J03S	11/16/2009	256.21		321.15	-64.94 UWCD				
02N21W16J03S	2/3/2010	256.21		304.24	-48.03 UWCD				
02N21W16J03S	4/9/2010	256.21		312.67	-56.46 UWCD				
02N21W16J03S	12/8/2010	256.21		301.2	-44.99 UWCD 122010				
02N21W16J03S	4/12/2011	256.21		313.26	-57.05 UWCD04152011				
02N21W16J03S	10/7/2011	256.211		321.51	-65.3 UWCD100511				8
02N21W16J03S	12/13/2011	256.211		316.8	-60.59 UWCD12152011				
02N21W16J03S	4/5/2012	256.211		311.4200134	-55.20901489 UWCD04112012				
02N21W16J03S	8/7/2012	256.211		328.3299866	-72.11898804 UWCD08102012				
02N21W16J03S	2/15/2013	256.211		311.3399963	-55.1289978 UWCD01252013				
02N21W16J03S	4/3/2013	256.211		304.5700073	-48.35900879 UWCD04122013				
02N21W16J03S	6/4/2013	256.211		332.7399902	UWCD06122013				8
02N21W16J03S	8/13/2013	256.211		318.5299988	-62.31900024 UWCD08142013				
02N21W16J03S	3/3/2014	256.211		299.42	-43.20901 UWCD030714IMPORTldr				
02N21W16J03S	6/6/2014	256.211		346.38	-90.16901 UWCD06052014ldr				
02N21W16J03S	8/12/2014	256.211		329.23	-73.01901 UWCD08132014ldr				8
02N21W16J03S	10/31/2014	256.211		332.14	-75.92902 UWCD10312014ldr				8
02N21W16J03S	12/23/2014	256.211		324	-67.789 UWCD01072015ldr				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W16J03S	2/6/2015	256.21	314.45	-58.24001	UWCD020615IMPORTldr				
02N21W16J03S	12/14/2015	256.21	335.99	-79.77999	UWCD12152015ldr				8
02N21W16J03S	2/10/2016	256.21	335.91	-79.7	UWCD02112016ldr				8
02N21W16J03S	3/29/2016	256.21	338.28	-82.07	UWCD04012016importlk				
02N21W16J03S	5/25/2016	256.21	338.02	-81.80999	UWCD05262016lk				8
02N21W16J03S	10/4/2016	256.21	344.48	-88.27001	UWCD09302016ldrFL				8
02N21W16J03S	12/8/2016	256.21	350.3	-94.08999	UWCD12082016ldr				8
02N21W16J03S	2/14/2017	256.21	334.18	-77.96999	UWCD01252017ldr				8
02N21W16J03S	3/27/2017	256.21	335.54	-79.33001	UWCD04042017LKSH				
02N21W16J03S	6/25/2019	256.21	353	-96.79000092	GFC 2019				
02N21W22A01S	9/21/1999	573.25	673	-99.75	UWCD				
02N21W22A01S	12/7/1999	573.25	668	-94.75	UWCD				
02N21W22A01S	1/13/2000	573.25	663	-89.75	UWCD				
02N21W22A01S	2/23/2000	573.25	716	-142.75	UWCD				
02N21W22A01S	3/23/2000	573.25	694	-120.75	UWCD				
02N21W22A01S	4/20/2000	573.25	694	-120.75	UWCD				
02N21W22A01S	5/24/2000	573.25	664.5	-91.25	UWCD				
02N21W22A01S	7/7/2000	573.25	519	54.25	UWCD				
02N21W22A01S	7/26/2000	573.25	523	50.25	UWCD				
02N21W22A01S	9/5/2000	573.25	666	-92.75	UWCD				5
02N21W22A01S	9/28/2000	573.25	666	-92.75	UWCD				
02N21W22A01S	10/27/2000	573.25	667	-93.75	UWCD				
02N21W22A01S	11/28/2000	573.25	660	-86.75	UWCD				5
02N21W22A01S	2/6/2001	573.25	656	-82.75	UWCD				5
02N21W22A01S	2/27/2001	573.25	656	-82.75	UWCD				5
02N21W22A01S	3/28/2001	573.25	654	-80.75	UWCD				5
02N21W22A01S	4/27/2001	573.25	671	-97.75	UWCD				5
02N21W22A01S	6/12/2001	573.25	674	-100.75	UWCD				5
02N21W22A01S	7/12/2001	573.25	674	-100.75	UWCD				
02N21W22A01S	9/13/2001	573.25	639.7	-66.45	UWCD				
02N21W22A01S	1/4/2002	573.25	631.91	-58.66	UWCD				
02N21W22A01S	2/8/2002	573.25	630.66	-57.41	UWCD				
02N21W22A01S	4/12/2002	573.25	630	-56.75	unknown				5
02N21W22A01S	7/3/2002	573.25	660	-86.75	UWCD				5
02N21W22A01S	10/2/2002	573.25	652	-78.75	UWCD				
02N21W22A01S	12/17/2002	573.25	646	-72.75	UWCD				
02N21W22A01S	3/7/2003	573.25	641	-67.75	UWCD				5
02N21W22A01S	5/6/2003	573.25	637	-63.75	UWCD				5
02N21W22A01S	8/7/2003	573.25	657	-83.75	UWCD				4,5
02N21W22A01S	10/10/2003	573.25	667	-93.75	UWCD				5
02N21W22A01S	12/15/2003	573.25	646	-72.75	UWCD				
02N21W22A01S	2/4/2004	573.25	642	-68.75	UWCD				
02N21W22A01S	4/22/2004	573.25	647	-73.75	UWCD				5
02N21W22A01S	7/1/2004	573.25	655	-81.75	UWCD				4,5
02N21W22A01S	11/3/2004	573.25	647	-73.75	UWCD				4,5
02N21W22A01S	2/2/2005	573.25	637	-63.75	UWCD				5
02N21W22A01S	5/6/2005	573.25	642	-68.75	UWCD				5
02N21W22A01S	8/22/2005	573.25	652	-78.75	UWCD				5
02N21W22A01S	11/9/2005	573.25	640	-66.75	UWCD				5
02N21W22A01S	2/15/2006	573.25	635	-61.75	UWCD				5
02N21W22A01S	5/25/2006	573.25	635.8	-62.55	SCE				
02N21W22A01S	10/26/2006	573.25	644	-70.75	UWCD				5
02N21W22A01S	5/22/2007	573.25	647	-73.75	UWCD				4,5
02N21W22A01S	11/9/2007	573.25	677	-103.75	UWCD				5
02N21W22A01S	7/18/2008	573.25	636	-62.75	UWCD				5
02N21W22A01S	3/25/2009	573.25	637	-63.75	UWCD				
02N21W22A01S	11/16/2009	573.25	640	-66.75	UWCD				5
02N21W22A01S	4/9/2010	573.25	623	-49.75	UWCD				5
02N21W22A01S	10/13/2010	573.25	632	-58.75	UWCD				5
02N21W22A01S	4/18/2011	573.25	622	-48.75	UWCD04152011				
02N21W22A01S	10/5/2011	573.254	632	-58.75	UWCD100511				
02N21W22A01S	4/5/2012	573.254	647	-73.7460022	UWCD04112012				5
02N21W22A01S	10/9/2012	573.254	667	-93.7460022	UWCD10252012				5
02N21W22A01S	4/2/2013	573.254	655.25	-81.9960022	UWCD04122013				5
02N21W22A01S	10/15/2013	573.254	695.25	-121.9960022	UWCD10292013				5
02N21W22A01S	9/22/2015	573.25	637	-63.75	Edison				
02N21W22A01S	12/16/2015	573.25			UWCD12152015ldr				7
02N21W22E01S	2/19/1999	349.16	572	-222.84	UWCD-Crestview				68' displaced from airline

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W22E01S	9/21/1999	349.16	513	-163.84	UWCD-Crestview				127' displaced from airline
02N21W22E01S	12/7/1999	349.16	515	-165.84	UWCD-Crestview				125' displaced from airline
02N21W22E01S	1/13/2000	349.16	514	-164.84	UWCD-Crestview				126' displaced from airhose
02N21W22E01S	2/23/2000	349.16	507	-157.84	UWCD				133'
02N21W22E01S	3/23/2000	349.16	504	-154.84	UWCD				136'
02N21W22E01S	4/20/2000	349.16	505	-155.84	UWCD				135'
02N21W22E01S	5/24/2000	349.16	512	-162.84	UWCD				128'
02N21W22E01S	7/7/2000	349.16	668	-318.84	UWCD				
02N21W22E01S	7/26/2000	349.16	666	-316.84	UWCD				
02N21W22E01S	9/5/2000	349.16	571	-221.84	UWCD				5
02N21W22E01S	9/28/2000	349.16			UWCD				6,see well book
02N21W22E01S	10/27/2000	349.16	519	-169.84	UWCD				
02N21W22E01S	11/28/2000	349.16	519	-169.84	UWCD				5
02N21W22E01S	2/6/2001	349.16	521	-171.84	UWCD				5
02N21W22E01S	2/27/2001	349.16	513	-163.84	UWCD				5,6
02N21W22E01S	3/28/2001	349.16	506	-156.84	UWCD				5
02N21W22E01S	4/27/2001	349.16	506	-156.84	UWCD				5
02N21W22E01S	6/12/2001	349.16	508	-158.84	UWCD				5
02N21W22E01S	7/12/2001	349.16	509	-159.84	UWCD				
02N21W22E01S	8/9/2001	349.16	509	-159.84	unknown				
02N21W22E01S	9/13/2001	349.16	506	-156.84	UWCD				
02N21W22E01S	11/14/2001	349.16	503	-153.84	UWCD				5
02N21W22E01S	12/10/2001	349.16	507	-157.84	UWCD				5
02N21W22E01S	1/4/2002	349.16	500	-150.84	UWCD				5
02N21W22E01S	2/8/2002	349.16	500	-150.84	UWCD				5
02N21W22E01S	4/12/2002	349.16	501	-151.84	UWCD				5
02N21W22E01S	7/3/2002	349.16	507	-157.84	UWCD				5
02N21W22E01S	3/7/2003	349.16	534	-184.84	UWCD				5
02N21W22E01S	5/6/2003	349.16	498	-148.84	UWCD				5
02N21W22E01S	8/7/2003	349.16	498	-148.84	UWCD				5
02N21W22E02S	4/9/1975	362.9	397	-34.1	VCWPD		0	0	
02N21W22E02S	5/22/1975	362.9	393	-30.1	VCWPD		0	0	
02N21W22E02S	10/3/1975	362.9	462	-99.1	VCWPD		0	0	
02N21W22E02S	1/22/1976	362.9	456	-93.1	VCWPD		0	0	
02N21W22E02S	4/7/1976	362.9	428.7	-65.8	VCWPD		0	0	
02N21W22E02S	5/25/1976	362.9	479.6	-116.7	VCWPD		0	2	
02N21W22E02S	7/26/1976	362.9	460	-97.1	VCWPD		0	0	
02N21W22E02S	9/28/1976	362.9	432	-69.1	VCWPD		0	0	
02N21W22E02S	12/1/1976	362.9	458	-95.1	VCWPD		0	0	
02N21W22E02S	1/31/1977	362.9	430.3	-67.4	VCWPD		0	0	
02N21W22E02S	3/29/1977	362.9	429	-66.1	VCWPD		0	0	
02N21W22E02S	5/31/1977	362.9	450	-87.1	VCWPD		0	0	
02N21W22E02S	7/25/1977	362.9	473.3	-110.4	VCWPD		0	0	
02N21W22E02S	9/27/1977	362.9	473.3	-110.4	VCWPD		0	0	
02N21W22E02S	11/28/1977	362.9	478	-115.1	VCWPD		0	0	
02N21W22E02S	2/16/1978	362.9	415	-52.1	VCWPD		0	0	
02N21W22E02S	4/11/1978	362.9	405	-42.1	VCWPD		0	0	
02N21W22E02S	5/31/1978	362.9	439	-76.1	VCWPD		0	0	
02N21W22E02S	7/26/1978	362.9	444.5	-81.6	VCWPD		0	0	
02N21W22E02S	9/28/1978	362.9	449.6	-86.7	VCWPD		0	0	
02N21W22E02S	11/28/1978	362.9	431.3	-68.4	VCWPD		0	0	
02N21W22E02S	1/25/1979	362.9	405.6	-42.7	VCWPD		0	0	
02N21W22E02S	4/5/1979	362.9	391	-28.1	VCWPD		0	0	
02N21W22E02S	5/23/1979	362.9	441.8	-78.9	VCWPD		0	0	
02N21W22E02S	8/7/1979	362.9	450	-87.1	VCWPD		0	0	
02N21W22E02S	10/10/1979	362.9	433	-70.1	VCWPD		0	0	
02N21W22E02S	11/28/1979	362.9	421	-58.1	VCWPD		0	0	
02N21W22E02S	2/12/1980	362.9	412.5	-49.6	VCWPD		0	0	
02N21W22E02S	4/1/1980	362.9	412.7	-49.8	VCWPD		0	0	
02N21W22E02S	5/28/1980	362.9	421.5	-58.6	VCWPD		0	0	
02N21W22E02S	7/30/1980	362.9	430.6	-67.7	VCWPD		0	0	
02N21W22E02S	9/26/1980	362.9	429	-66.1	VCWPD		0	0	
02N21W22E02S	12/12/1980	362.9	428.6	-65.7	VCWPD		0	0	
02N21W22E02S	2/4/1981	362.9	423.4	-60.5	VCWPD		0	0	
02N21W22E02S	3/31/1981	362.9	397.3	-34.4	VCWPD		0	0	
02N21W22E02S	5/29/1981	362.9	435	-72.1	VCWPD		0	0	
02N21W22E02S	7/23/1981	362.9	439	-76.1	VCWPD		0	0	
02N21W22E02S	10/7/1981	362.9	436	-73.1	VCWPD		0	0	

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W22E02S	12/8/1981	362.9	434.5	-71.6	VCWPD		0	0	
02N21W22E02S	2/9/1982	362.9	410	-47.1	VCWPD		0	0	
02N21W22E02S	4/7/1982	362.9	420	-57.1	VCWPD		0	0	
02N21W22E02S	5/21/1982	362.9	459.5	-96.6	VCWPD		0	0	
02N21W22E02S	8/3/1982	362.9	469.7	-106.8	VCWPD		0	6	
02N21W22E02S	10/7/1982	362.9	458	-95.1	VCWPD		0	0	
02N21W22E02S	2/8/1983	362.9	403.3	-40.4	VCWPD		0	0	
02N21W22E02S	4/12/1983	362.9	410	-47.1	VCWPD		0	0	
02N21W22E02S	6/8/1983	362.9	432	-69.1	VCWPD		0	0	
02N21W22E02S	8/10/1983	362.9	448	-85.1	VCWPD		0	0	
02N21W22E02S	10/12/1983	362.9	415	-52.1	VCWPD		0	0	
02N21W22E02S	12/7/1983	362.9	409	-46.1	VCWPD		0	0	
02N21W22E02S	2/22/1984	362.9	448	-85.1	VCWPD		0	6	
02N21W22E02S	4/2/1984	362.9	446	-83.1	VCWPD		0	0	
02N21W22E02S	6/12/1984	362.9	463	-100.1	VCWPD		0	0	
02N21W22E02S	8/3/1984	362.9	461.6	-98.7	VCWPD		0	2	
02N21W22E02S	9/21/1984	362.9	465.8	-102.9	VCWPD		0	0	
02N21W22E02S	12/21/1984	362.9	401	-38.1	VCWPD		0	0	
02N21W22E02S	2/1/1985	362.9	435.9	-73	VCWPD		0	0	
02N21W22E02S	4/15/1985	362.9	448.1	-85.2	VCWPD		0	0	
02N21W22E02S	7/2/1985	362.9	474.1	-111.2	VCWPD		0	0	
02N21W22E02S	8/9/1985	362.9	475	-112.1	VCWPD		0	6	
02N21W22E02S	10/10/1985	362.9	478.4	-115.5	VCWPD		0	0	
02N21W22E02S	12/19/1985	362.9	453.7	-90.8	VCWPD		0	0	
02N21W22E02S	2/18/1986	362.9	428.2	-65.3	VCWPD		0	0	
02N21W22E02S	3/24/1986	362.9	438	-75.1	VCWPD		0	0	
02N21W22E02S	6/10/1986	362.9	471	-108.1	VCWPD		0	0	
02N21W22E02S	8/15/1986	362.9	472	-109.1	VCWPD		0	0	
02N21W22E02S	10/10/1986	362.9	441	-78.1	VCWPD		0	0	
02N21W22E02S	12/12/1986	362.9	434	-71.1	VCWPD		0	0	
02N21W22E02S	2/4/1987	362.9	421	-58.1	VCWPD		0	0	
02N21W22E02S	4/21/1987	362.9	441.9	-79	VCWPD		0	0	
02N21W22E02S	6/17/1987	362.9	489.6	-126.7	VCWPD		0	0	
02N21W22E02S	8/12/1987	362.9	449	-86.1	VCWPD		0	0	
02N21W22E02S	9/29/1987	362.9	442.2	-79.3	VCWPD		0	0	
02N21W22E02S	12/2/1987	362.9	424	-61.1	VCWPD		0	0	
02N21W22E02S	2/5/1988	362.9	426	-63.1	VCWPD		0	0	
02N21W22E02S	4/13/1988	362.9	459	-96.1	VCWPD		0	0	
02N21W22E02S	5/26/1988	362.9	478	-115.1	VCWPD		0	0	
02N21W22E02S	8/1/1988	362.9	468	-105.1	VCWPD		0	0	
02N21W22E02S	10/7/1988	362.9	478	-115.1	VCWPD		0	0	
02N21W22E02S	11/29/1988	362.9	441	-78.1	VCWPD		0	0	
02N21W22E02S	2/2/1989	362.9	464	-101.1	VCWPD		0	0	
02N21W22E02S	4/7/1989	362.9	456	-93.1	VCWPD		0	0	
02N21W22E02S	5/18/1989	362.9	487	-124.1	VCWPD		0	0	
02N21W22E02S	8/2/1989	362.9	479	-116.1	VCWPD		0	0	
02N21W22E02S	10/12/1989	362.9	480	-117.1	VCWPD		0	0	
02N21W22E02S	12/7/1989	362.9	490.3	-127.4	VCWPD		0	0	
02N21W22E02S	2/7/1990	362.9	472	-109.1	VCWPD		0	0	
02N21W22E02S	4/4/1990	362.9	478	-115.1	VCWPD		0	0	
02N21W22E02S	6/7/1990	362.9	482	-119.1	VCWPD		0	0	
02N21W22E02S	8/9/1990	362.9	473	-110.1	VCWPD		0	0	
02N21W22E02S	10/8/1990	362.9	446.5	-83.6	VCWPD		0	0	
02N21W22E02S	12/7/1990	362.9	487.9	-125	VCWPD		0	0	
02N21W22E02S	2/7/1991	362.9	472.6000061	-109.7000046	unknown				
02N21W22E02S	4/8/1991	362.9	448.2999878	-85.39998627	unknown				
02N21W22E02S	6/6/1991	362.9	469.2999878	-106.3999863	unknown				
02N21W22E02S	8/8/1991	362.9	445.7999878	-82.89998627	unknown				
02N21W22E02S	10/7/1991	362.9	463.7000122	-100.8000107	unknown				
02N21W22E02S	12/3/1991	362.9	457.2000122	-94.30001068	unknown				
02N21W22E02S	1/29/1992	362.9	434.9	-72	VCWPD		0	0	
02N21W22E02S	4/2/1992	362.9	435.7	-72.8	VCWPD		0	0	
02N21W22E02S	5/21/1992	362.9	464.8	-101.9	VCWPD		0	0	
02N21W22E02S	7/21/1992	362.9	435	-72.1	VCWPD		0	0	
02N21W22E02S	9/24/1992	362.9	434.4	-71.5	VCWPD		0	0	
02N21W22E02S	11/25/1992	362.9	434.6	-71.7	VCWPD		0	0	
02N21W22E02S	1/27/1993	362.9	431.4	-68.5	VCWPD		0	0	
02N21W22E02S	3/23/1993	362.9	426.9	-64	VCWPD		0	0	

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W22E02S	5/25/1993	362.9	427.8	-64.9	VCWPD		0	0	
02N21W22E02S	7/20/1993	362.9	429.3	-66.4	VCWPD		0	0	
02N21W22E02S	9/30/1993	362.9	433.1000061	-70.20000458	unknown				
02N21W22E02S	1/23/1994	362.9	431.7000122	-68.80001068	unknown				
02N21W22E02S	3/24/1994	362.9	428.7999878	-65.89998627	unknown				
02N21W22E02S	6/6/1994	362.9	429.6000061	-66.70000458	unknown				
02N21W22E02S	8/3/1994	362.9	433.2999878	-70.39998627	unknown				
02N21W22E02S	9/21/1994	362.9	442.3	-79.4	VCWPD		0	0	
02N21W22E02S	11/22/1994	362.9	435.3999939	-72.49999237	unknown				
02N21W22E02S	1/19/1995	362.9	432.2	-69.3	VCWPD		0	0	
02N21W22E02S	3/20/1995	362.9	429	-66.09999847	unknown				
02N21W22E02S	5/30/1995	362.9	427.8999939	-64.99999237	unknown				
02N21W22E02S	7/25/1995	362.9	438.5	-75.59999847	unknown				
02N21W22E02S	10/2/1995	362.9	437.6	-74.7	VCWPD		0	0	
02N21W22E02S	12/5/1995	362.9	436.2000122	-73.30001068	unknown				
02N21W22E02S	2/6/1996	362.9	434.8	-71.9	VCWPD		0	0	
02N21W22E02S	4/2/1996	362.9	431.9	-69	unknown				
02N21W22E02S	6/10/1996	362.9	433.8	-70.9	VCWPD		0	0	
02N21W22E02S	7/23/1996	362.9	436.7	-73.8	unknown				
02N21W22E02S	9/27/1996	362.9	438.3	-75.4	unknown				
02N21W22E02S	1/30/1997	362.9	431	-68.1	unknown				
02N21W22E02S	4/2/1997	362.9	434.8	-71.9	unknown				
02N21W22E02S	5/23/1997	362.9	437	-74.1	unknown				
02N21W22E02S	7/30/1997	362.9	436	-73.1	unknown				
02N21W22E02S	10/9/1997	362.9	435	-72.1	unknown				
02N21W22E02S	11/28/1997	362.9	432	-69.1	unknown				
02N21W22E02S	2/13/1998	362.9	426.5	-63.6	VCWPD		0	0	
02N21W22E02S	3/19/1998	362.9	424.6	-61.7	VCWPD		0	0	
02N21W22E02S	6/4/1998	362.9	425.1	-62.2	VCWPD		0	0	
02N21W22E02S	8/5/1998	362.9	432.1	-69.2	VCWPD		0	0	
02N21W22E02S	10/13/1998	362.9	431.4	-68.5	VCWPD		0	0	
02N21W22E02S	12/3/1998	362.9	433.8	-70.9	VCWPD		0	0	
02N21W22E02S	2/3/1999	362.9	429.9	-67	VCWPD		0	0	
02N21W22E02S	4/8/1999	362.9	424.9	-62	VCWPD		0	0	
02N21W22E02S	5/25/1999	362.9	427.6	-64.7	VCWPD		0	0	
02N21W22E02S	7/27/1999	362.9	431.2	-68.3	VCWPD		0	0	
02N21W22E02S	10/13/1999	362.9	431.4	-68.5	VCWPD		0	0	
02N21W22E02S	11/26/1999	362.9	427.7	-64.8	VCWPD		0	0	
02N21W22E02S	2/3/2000	362.9	426.2	-63.3	VCWPD		0	0	
02N21W22E02S	4/6/2000	362.9	421.9	-59	VCWPD		0	0	
02N21W22E02S	6/1/2000	362.9	426.3	-63.4	VCWPD		0	0	
02N21W22E02S	8/9/2000	362.9	430.6	-67.7	VCWPD		0	0	
02N21W22E02S	9/25/2000	362.9	430.2	-67.3	VCWPD		0	0	
02N21W22E02S	12/19/2000	362.9	424.4	-61.5	VCWPD		0	0	
02N21W22E02S	4/5/2001	362.9	426	-63.1	VCWPD		0	0	
02N21W22E02S	6/4/2001	362.9	429	-66.1	VCWPD		0	0	
02N21W22E02S	8/15/2001	362.9	420	-57.1	VCWPD		0	0	
02N21W22E02S	10/11/2001	362.9	418	-55.1	VCWPD		0	0	
02N21W22E02S	12/17/2001	362.9	415	-52.1	VCWPD		0	0	
02N21W22E02S	2/12/2002	362.9	412	-49.1	VCWPD		0	0	
02N21W22E02S	4/10/2002	362.9	414	-51.1	VCWPD		0	0	
02N21W22E02S	6/7/2002	362.9	423	-60.1	VCWPD		0	0	
02N21W22E02S	8/8/2002	362.9	425	-62.1	VCWPD		0	0	
02N21W22E02S	10/18/2002	362.9	427	-64.1	VCWPD		0	0	
02N21W22E02S	12/9/2002	362.9	423	-60.1	VCWPD		0	0	
02N21W22E02S	2/5/2003	362.9	423	-60.1	VCWPD		0	0	
02N21W22E02S	4/2/2003	362.9	415	-52.1	VCWPD		0	0	
02N21W22E02S	6/9/2003	362.9	418	-55.1	VCWPD		0	0	
02N21W22E02S	8/7/2003	362.9	427	-64.1	VCWPD		0	0	
02N21W22E02S	10/10/2003	362.9	427	-64.1	VCWPD		0	0	
02N21W22E02S	12/5/2003	362.9	428	-65.1	VCWPD		0	0	
02N21W22G01S	2/19/1999	467.54	531	-63.46	UWCD				
02N21W22G01S	9/21/1999	467.54	531	-63.46	UWCD				
02N21W22G01S	12/7/1999	467.54	532	-64.46	UWCD				
02N21W22G01S	1/13/2000	467.54	532	-64.46	UWCD				
02N21W22G01S	2/23/2000	467.54	529	-61.46	UWCD				
02N21W22G01S	3/23/2000	467.54	528	-60.46	UWCD				
02N21W22G01S	4/20/2000	467.54	527	-59.46	UWCD				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W22G01S	5/24/2000	467.54		528	-60.46 UWCD				
02N21W22G01S	7/7/2000	467.54		530	-62.46 UWCD				
02N21W22G01S	7/26/2000	467.54		531	-63.46 UWCD				
02N21W22G01S	9/5/2000	467.54		533	-65.46 UWCD				5
02N21W22G01S	9/28/2000	467.54		533	-65.46 UWCD				
02N21W22G01S	10/27/2000	467.54		532	-64.46 UWCD				
02N21W22G01S	11/28/2000	467.54		530	-62.46 UWCD				5
02N21W22G01S	2/6/2001	467.54		528	-60.46 UWCD				5
02N21W22G01S	2/27/2001	467.54		527	-59.46 UWCD				5
02N21W22G01S	3/28/2001	467.54		525	-57.46 UWCD				5
02N21W22G01S	4/27/2001	467.54		525	-57.46 UWCD				5
02N21W22G01S	6/12/2001	467.54		527	-59.46 UWCD				5
02N21W22G01S	7/12/2001	467.54		527	-59.46 UWCD				
02N21W22G01S	8/9/2001	467.54		529	-61.46 unknown				
02N21W22G01S	9/13/2001	467.54		528	-60.46 UWCD				
02N21W22G01S	11/14/2001	467.54		527	-59.46 UWCD				5
02N21W22G01S	12/10/2001	467.54		526	-58.46 UWCD				5
02N21W22G01S	1/4/2002	467.54		526	-58.46 UWCD				5
02N21W22G01S	2/8/2002	467.54		525	-57.46 UWCD				5
02N21W22G01S	4/12/2002	467.54		527	-59.46 UWCD				5
02N21W22G01S	7/3/2002	467.54		527	-59.46 UWCD				5
02N21W22G01S	10/2/2002	467.54		530	-62.46 UWCD				
02N21W22G01S	12/17/2002	467.54		529	-61.46 UWCD				
02N21W22G01S	3/7/2003	467.54		529	-61.46 UWCD				5
02N21W22G01S	5/6/2003	467.54		528	-60.46 UWCD				5
02N21W22G01S	8/7/2003	467.54		531	-63.46 UWCD				5
02N21W22G01S	10/10/2003	467.54		531	-63.46 UWCD				
02N21W22G01S	12/15/2003	467.54		530	-62.46 UWCD				
02N21W22G01S	2/4/2004	467.54		530	-62.46 UWCD				
02N21W22G01S	4/22/2004	467.54		528	-60.46 UWCD				5
02N21W22G01S	7/1/2004	467.54		528	-60.46 UWCD				5
02N21W22G01S	11/3/2004	467.54		536	-68.46 UWCD				5
02N21W22G01S	2/2/2005	467.54		533	-65.46 UWCD				5
02N21W22G01S	5/6/2005	467.54		528	-60.46 UWCD				5
02N21W22G01S	8/22/2005	467.54		530	-62.46 UWCD				5
02N21W22G01S	11/9/2005	467.54		530	-62.46 UWCD				5
02N21W22G01S	2/15/2006	467.54		522	-54.46 UWCD				5
02N21W22G01S	5/25/2006	467.54		535.4	-67.86 SCE				
02N21W22G01S	10/26/2006	467.54		526	-58.46 UWCD				5
02N21W22G01S	5/22/2007	467.54		522	-54.46 UWCD				5
02N21W22G01S	11/9/2007	467.54		530	-62.46 UWCD				5
02N21W22G01S	5/2/2008	467.54		536.5	-68.96 Edison				
02N21W22G01S	5/26/2010	467.54		544	-76.46 Edison				
02N21W22G01S	6/22/2012	467.54		528	-60.46 Edison				
02N21W22G01S	3/3/2014	467.543		532.95	-65.40701 UWCD030714IMPORTldr				
02N21W22G01S	4/14/2014	467.54		539.1	-71.55997 Edison				
02N21W22G01S	4/30/2014	467.54		526.87	-59.32999 Crestview				
02N21W22G01S	5/16/2014	467.54		525.72	-58.17997 Crestview				
02N21W22G01S	6/2/2014	467.54		538.42	-70.87998 Crestview				
02N21W22G01S	7/2/2014	467.54		538.42	-70.87998 Crestview				
02N21W22G01S	11/21/2014	467.54		561.5	-93.96 Crestview				
02N21W22G01S	1/15/2015	467.54		541.9	-74.36002 Crestview				
02N21W22G01S	3/27/2015	467.543		550.7	-83.15701 UWCD03262015ldr				
02N21W22G01S	5/20/2015	467.54		543.77	-76.23002 Crestview				
02N21W22G01S	8/19/2015	467.54		551.6	-84.05997 Edison				
02N21W22G01S	10/15/2015	467.54		557.63	-90.09 UWCD10142015ldr				5
02N21W22G01S	12/16/2015	467.54		578.42	-110.88 UWCD12152015ldr				
02N21W22G01S	2/10/2016	467.54		579.58	-112.04 UWCD02112016ldr				5
02N21W22G01S	3/30/2016	467.54		548.39	-80.85001 UWCD04012016ldrSH				5
02N21W22G01S	5/26/2016	467.54		550.7	-83.16001 UWCD05262016lk				
02N21W22G01S	8/4/2016	467.54		554.17	-86.62998 UWCD08032016ldr				5
02N21W22G01S	10/3/2016	467.54		556.48	-88.93998 UWCD09302016ldrFL				5
02N21W22G01S	12/9/2016	467.54		556.71	-89.17002 UWCD12082016ldr				5
02N21W22G01S	2/15/2017	467.54		554.17	-86.62998 UWCD01252017ldr				5
02N21W22G01S	3/27/2017	467.54		553.01	-85.47001 UWCD04042017LKSH				
02N21W22G01S	5/31/2017	467.54		556.48	-88.93998 UWCD05312017importlk				
02N21W22G01S	8/4/2017	467.54		558.79	-91.24998 UWCD07252017ldr				5
02N21W22G01S	10/25/2017	467.54		562.25	-94.71 UWCD20171101FL				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W22G01S	11/8/2017	467.54	561.1	-93.55997	Crestview 2018 March				
02N21W22G01S	12/14/2017	467.54	559.48	-91.93998	UWCD20171221RM				5
02N21W22G01S	1/26/2018	467.54	558.79	-91.24998	UWCD20180129BM				5
02N21W22G01S	1/31/2018	467.54	559.94	-92.4	Crestview 2018 March				
02N21W22G01S	3/27/2018	467.54	556.79	-89.24998	UWCD201803BM				5
02N21W22G01S	4/17/2018	467.54	558.2000122	-90.66001129	Crestview 2019 Feb				
02N21W22G01S	5/21/2018	467.54	561.0999756	-93.55997467	UWCD20180522BM				5
02N21W22G01S	7/24/2018	467.54	563.9799805	-96.43997955	UWCD20180727BM				5
02N21W22G01S	9/27/2018	467.54	562.8300171	-95.29001617	UWCD201809FL				5
02N21W22G01S	11/16/2018	467.54	565.7199707	-98.17996979	UWCD20181119BM				5
02N21W22G01S	12/3/2018	467.54	562.8200073	-95.28000641	Crestview 2019 Feb				
02N21W22G01S	1/10/2019	467.54	563.4099731	-95.86997223	UWCD20190129BM				5
02N21W22G01S	3/11/2019	467.54	561.0999756	-93.55997467	UWCD20190331SH				5
02N21W22G01S	5/16/2019	467.54	561.0999756	-93.55997467	UWCD20190531BM				5
02N21W22G01S	7/17/2019	467.54	562.25	-94.70999908	UWCD20190730BM				5
02N21W22G01S	10/7/2019	467.54	565.7199707	-98.17996979	UWCD201909FL				5
02N21W22G01S	10/17/2019	467.54	562.8300171	-95.29001617	UWCD20191024FL				5
02N21W22G01S	11/5/2019	467.54	564.5599976	-97.01999664	Crestview 2020 Jan				
02N21W22G01S	11/21/2019	467.54	565.7299805	-98.18997955	UWCD20191130BM				5
02N21W22G01S	12/23/2019	467.54	563.4000244	-95.8600235	Crestview 2020 Jan				
02N21W22G01S	1/13/2020	467.54	563.4000244	-95.8600235	Crestview 2020 Jan				
02N21W22G01S	1/27/2020	467.54	562.8300171	-95.29001617	UWCD20200131BM				5
02N21W22G01S	3/23/2020	467.54	561.6699829	-94.12998199	UWCD20200327SH				
02N21W22G01S	5/19/2020	467.54	562.25	-94.70999908	UWCD202005BM				
02N21W22G01S	7/31/2020	467.54	563.9799805	-96.43997955	UWCD202007BM				5
02N21W22G01S	9/11/2020	467.54	565.7199707	-98.17996979	UWCD202009BM				5
02N21W22G01S	10/22/2020	467.54	564.5599976	-97.01999664	UWCD202010FL				5
02N21W28A02S	12/15/2005	266.37	313	-46.63	Well Completion Report				
02N21W28A02S	2/15/2006	266.37	313.77	-47.4	UWCD				
02N21W28A02S	10/26/2006	266.37	300.72	-34.35	UWCD				
02N21W28A02S	11/9/2007	266.37	321.95	-55.58	UWCD				
02N21W28A02S	7/18/2008	266.37	324.15	-57.78	UWCD				
02N21W28A02S	3/25/2009	266.37	314.9	-48.53	UWCD				
02N21W28A02S	8/5/2009	266.37	325.9	-59.53	UWCD				
02N21W28A02S	11/18/2009	266.37	327.7	-61.33	UWCD				
02N21W28A02S	4/9/2010	266.37	301.5	-35.13	UWCD				
02N21W28A02S	10/13/2010	266.37	315.38	-49.01	UWCD				5
02N21W28A02S	4/18/2011	266.37	316.52	-50.15	UWCD04152011				
02N21W28A02S	10/5/2011	266.366	326.53	-60.16	UWCD100511				
02N21W28A02S	4/5/2012	266.366	318.7900085	-52.42400742	UWCD04112012				
02N21W28A02S	10/9/2012	266.366	311.4200134	-45.0540123	UWCD10252012				
02N21W28A02S	4/2/2013	266.366	321.3800049	-55.01400375	UWCD04122013				
02N21W28A02S	10/15/2013	266.366	320.1900024	-53.82400131	UWCD10292013				
02N21W28A02S	5/1/2014	266.366	343.64	-77.27402	UWCD05012114ldr				
02N21W28A02S	5/30/2014	266.37	341.4	-75.02999	Crestview				
02N21W28A02S	10/31/2014	266.366	352.58	-86.21399	UWCD10312014ldr				8
02N21W28A02S	11/21/2014	266.37	349.56	-83.18999	UWCD11252014ldr				
02N21W28A02S	1/15/2015	266.37	341.4	-75.02999	Crestview				
02N21W28A02S	3/26/2015	266.366	344.68	-78.314	UWCD03262015ldr				
02N21W28A02S	5/20/2015	266.37	343.7	-77.33001	Crestview				
02N21W28A02S	8/19/2015	266.37	360.3	-93.92999	Edison				
02N21W28A02S	10/15/2015	266.37	356.72	-90.35	UWCD10142015ldr				
02N21W28A02S	12/3/2015	266.37	369.12	-102.75	Crestview				
02N21W28A02S	12/16/2015	266.37	358.2	-91.83001	UWCD12152015ldr				
02N21W28A02S	2/10/2016	266.37	368.33	-101.96	UWCD02112016ldr				5
02N21W28A02S	3/30/2016	266.37	350.63	-84.26	UWCD04012016ldrSH				
02N21W28A02S	5/26/2016	266.37	357.38	-91.01	UWCD05262016lk				
02N21W28A02S	8/4/2016	266.37	358.98	-92.61001	UWCD08032016ldr				
02N21W28A02S	10/3/2016	266.37	362.68	-96.30999	UWCD09302016ldrFL				
02N21W28A02S	12/9/2016	266.37	434.1	-167.73	UWCD12082016ldr				4
02N21W28A02S	2/15/2017	266.37	366.52	-100.15	UWCD01252017ldr				
02N21W28A02S	3/27/2017	266.37	352.02	-85.64999	UWCD04042017LKSH				
02N21W28A02S	5/31/2017	266.37	360.09	-93.71999	UWCD05312017importlk				
02N21W28A02S	8/4/2017	266.37	372.96	-106.59	UWCD07252017ldr				
02N21W28A02S	10/25/2017	266.37	369.84	-103.47	UWCD20171101FL				
02N21W28A02S	11/29/2017	266.37	364.5	-98.13	Crestview 2018 March				
02N21W28A02S	12/14/2017	266.37	384.5	-118.13	UWCD20171221RM				5
02N21W28A02S	1/26/2018	266.37	363.59	-97.21999	UWCD20180129BM				

Attachment C

Water level data from Ventura County Watershed Protection District (including United Water Conservation District data)

SWN	Date	RP	DTW	WLE	source	NMC	QMC	NO MEAS	QUEST MEAS
02N21W28A02S	3/27/2018	266.37	360.53	-94.16	UWCD201803BM				
02N21W28A02S	5/21/2018	266.37	364.3599854	-97.9899826	UWCD20180522BM				
02N21W28A02S	7/24/2018	266.37	368.4400024	-102.0699997	UWCD20180727BM				
02N21W28A02S	9/27/2018	266.37	371.0400085	-104.6700058	UWCD201809FL				
02N21W28A02S	11/16/2018	266.37	373.6600037	-107.2900009	UWCD20181119BM			4	
02N21W28A02S	1/10/2019	266.37	365.6499939	-99.27999115	UWCD20190129BM				
02N21W28A02S	3/11/2019	266.37	360.3599854	-93.9899826	UWCD20190331SH				
02N21W28A02S	5/16/2019	266.37	364.0700073	-97.70000458	UWCD20190531BM				
02N21W28A02S	7/17/2019	266.37	367.1499939	-100.7799911	UWCD20190730BM				
02N21W28A02S	10/7/2019	266.37	370.7999878	-104.429985	UWCD201909FL				
02N21W28A02S	10/17/2019	266.37	370.8200073	-104.4500046	UWCD20191024FL				
02N21W28A02S	11/21/2019	266.37	371.4500122	-105.0800095	UWCD20191130BM				
02N21W28A02S	1/22/2020	266.37	359.8800049	-93.51000214	Crestview 2020 Jan				
02N21W28A02S	1/27/2020	266.37	365.4599915	-99.08998871	UWCD20200131BM			2	
02N21W28A02S	3/23/2020	266.37	362.2600098	-95.89000702	UWCD20200327SH				
02N21W28A02S	5/19/2020	266.37	363.5400085	-97.1700058	UWCD202005BM				
02N21W28A02S	7/31/2020	266.37	364.9500122	-98.58000946	UWCD202007BM				
02N21W28A02S	9/11/2020	266.37	367.519989	-101.1499863	UWCD202009BM				
02N21W28A02S	10/22/2020	266.37	366.8099976	-100.4399948	UWCD202010FL				